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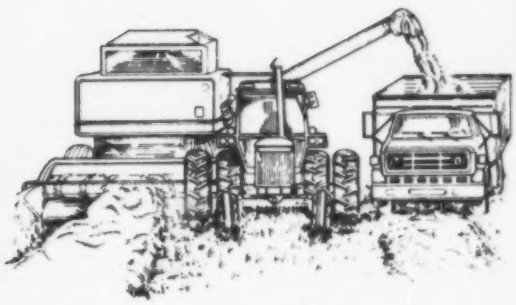

FARM MACHINERY
CUSTOM & RENTAL
RATE GUIDE 1987

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Introduction

This publication gives detailed information regarding guidelines for machine ownership, operating costs, custom rates and rental rates for farm machinery. This information is provided as a guideline and should be interpreted and adjusted for individual situations.

The costs calculated in this booklet use the list price less a discount to arrive at an average selling price of a machine. Machine companies may reduce the actual selling price of the machinery below their suggested retail prices.

The intent of this booklet is to estimate both the ownership (fixed) and operating (variable) costs of owning machinery.

The farmer who has already invested in a machine for his own use may be in a position to do custom work for a neighbour for the suggested custom rate less the investment cost and still realize a return.

At the other end of the scale there may be individuals who have a custom farming business. In this instance all costs that are calculated must be included plus overhead costs (transportation, liability insurance, utility costs, advertising, shop euqipment). Custom operators should determine these overhead costs before establishing their rates.

Assumptions

1. Interest on Investment is calculated at 11% (assumes 50% owned, 50% borrowed).

2. Diesel fuel is charged at $0.31 per litre, gasoline is charged at $0.34 per litre. Oil and grease is charged at $0.35 per 100 hp.

3. Labor is charged at $9.00 per hour.

The first section of this publication is a summary of calculated custom rates and rental rates of specific items. The remainder of this book contains detailed calculations that were used to arrive at the total costs of renting or custom operating farm equipment. To illustrate the total costs three separate tables are used.

1. Machinery Costs Information

2. Rental Rate Calculation

3. Custom Rate Calculation

Machinery Cost Table

The basis for the machine cost data is new cost of the equipment. This information was collected in December 1986 and January 1987 using the most current equipment pricing guides of the major equipment manufacturers and various shortline manufactureres. The manufacturers suggested retail price was discounted 15% on machines valued up to $50,000, 20% for machines valued between $50,000 and $100,000 and 25% for machines valued over $100,000.

The machine cost data is given for a wide variety of farm equipment, under different ranges of annual hours of use. The data is specific to each individual machine and details fixed costs (depreciation, investment cost, insurance and housing) and variable costs (repairs, fuel, oil and grease). The total cost per hour figure is the total cost of owning and operating that particular machine. In the case of drawn equipment, a power unit suitable to that drawn machine has been selected and the total cost of both the power unit and the drawn machine have been added together to arrive at an overall total cost for that operation.

Rental Rates Table

The rental rates section deals specifically with renting equipment for short time periods. The rates are not designed as lease rates, the rates would not be current for long term or seasonal lease arrangements.

Rental rates are calculated by adding the fixed costs (ownership costs) and repairs to arrive at the basic rental costs. The margin is calculated by multiplying the basic rental costs by 15%. The margin is added to cover risk, profit and management. The rental rates include an allowance for repair only. The renter is responsible for fuel and lubrication. No account is made to cover neglect by the renter. In the case of neglect, a settlement between the parties involved must be negotiated.

The rental rate is the addition of the basic rental costs and the margin. The rental rates are specific for each machine and if a complement (tractor and machine) is rented, the addition of the two machine rental rates should be used in establishing the rental rates of the complement.

Custom Rates Table

The custom rates section deals specifically with rates for custom work including both the machine(s) and operator. The basic custom work costs are calculated by summing the total costs of the power unit (if applicable), machine, and the labor allowance per hour. A margin to cover risk, profit, management and an incentive for the operator is calculated by multiplying the basic custom costs by 15%. The custom rate is then determined by adding the basic custom work costs and the margin. In all cases a basic labor rate of $9.00 per hour is used.

The information provided in all three segments of the table are based on average conditions and should be used as guides only. Additional points to consider when negotiating a custom work agreement are outlined in Appendix G, along with a sample of a custom farming agreement.

This publication has been compiled by the farm management section, Economics Branch of Saskatchewan Agriculture and contributions of the many people that assisted with the compiling and reviewing of this material are acknowledged.

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A. How To Use This Bulletin

1. Use the table of contents to locate the machine you are interested in. Equipment is divided into the following sections: a. Powered, b. Drawn - Grain, c. Drawn - Livestock and Forage, d. Drawn - Miscellaneous. Equipment is listed alphabetically within each section.

2. Locate the size of machine to be used and the number of hours of annual use. The rental rate per hour and custom rate are calculated for each amount of usage.

3. If the machine you want the custom rate for does not correspond to one of the number of hours of use in this bulletin, or if you want to use a different investment cost you can calculate your own custom rate. Appendix D has a blank worksheet that can be used to calculate a custom rate with your specific information.

4. Some operations such as seeding, banding, fertilizing or spraying require the use of a truck to haul seed, fertilizer or water to the field. The cost of the truck has not been included in the seeding, fertilizing or banding custom rates. For an example of calculating truck usage see Appendix A.

5. This bulletin uses the cost approach of calculating custom rates. The cost approach may differ from the market custom rate normally charged for some operations. In reality the forces of demand and supply will determine the custom rates charged by custom operators.

6. Because of rounding by the computer some of the calculations appear to be wrong by one or two cents. The calculated custom rate is the correct figure.

B. Summary of the 1987 Suggested Rental and Custom Rates

The following list is a summary of standard custom farming operations and their calculated custom and rental rates. These are suggested rates only and may require adjustment for individual situations. For example the suggested custom rates for combines is the average of conventional S.P., conventional P.T.O., Rotary S.P. and Rotary PTO combines. The suggested custom rate is the average of the custom rates for each size of a particular machine for the middle number of hours of annual usage. The only exceptions are combine and spray coupe where the high number of hours of annual usage is averaged, to reflect the large number of acres covered by custom combines and custom sprayers. Detailed steps of how the rental and custom rates were calculated can be found in the preceding pages.

	1987 suggested Custom Rate	1987 suggested Rental Rate
Powered Equipment		
Bale Wagon	$ .45/bale	$ .35/bale*
Combine	13.00/ac	11.00/ac*
Sprayer (Spray Coupe)	2.00/ac	1.75/ac
Swather	6.00/ac	6.00/ac*
Tractor 2WD	.30-.55/PTO hp/hr	.13-.18/PTO hp/hr
Tractor 4WD	.30-.40/PTO hp/hr	.18-.22/PTO hp/hr
Drawn Equipment - Grain		
Air Seeder	$ 9.50/ac	$ 5.75/ac
Bander, Fertilizer	12.00/ac	7.00/ac
Bulk applicator (granules)	2.00/ac	1.00/ac
Cultivator, Field	3.00/ac	.70/ac
Cultivator, Heavy Duty	4.00/ac	.90/ac
Discer w/S.A., F.A.	6.00/ac	2.25/ac
Disc, Tandem	5.50/ac	1.80/ac
Drill, Disc & Hoe Press	10.00/ac	5.70/ac
Drill, No Till	17.00/ac	9.25/ac
Harrow Drawbar & Harrows	1.25/ac	.15/ac
Harrow Packer	2.00/ac	.30/ac
Plow	15.00/ac	6.25/ac
Pneumatic Grain Mover	.05/bu	.03/bu
Rodweeder	3.00/ac	1.00/ac
Rock Picker	43.00/hr	18.00/hr
Rock Picker, Rock Rake Comb.	71.00/hr	37.00/hr
Rock Rake	42.00/hr	18.25/hr

* The rental rate is an average of self propelled equipment only.

Drawn Equipment - Livestock and Forage		
Bale Mover, Large Round	$58.00/hr	$30.50/hr
Baler - Large Round*	7.25/bale	4.50/bale
Baler - Standard*	.30/bale	.20/bale
Forage Harvester	82.00/hr	48.00/hr
Grinder Mixer	50.00/hr	15.00/hr
Hay Rakes	6.00/ac	2.00/ac
Loose Hay Stacker	10.50/T.	7.00/T.
Loose Hay Stackmover	59.50/hr	30.00/hr
Manure Spreader	47.00/hr	22.00/hr
Liquid Manure Spreader	46.00/hr	16.50/hr
Mower	7.50/ac	3.00/ac
Mower Conditioner	12.00/ac	7.50/ac
Post Pounder	27.00/hr	5.50/hr
Rotary Cutter	38.00/hr	13.00/hr
Tub Grinder	56.00/hr	18.00/hr
Drawn Equipment - Miscellaneous		
Scraper	83.00/hr	34.00/hr
Snow Blower	48.00/hr	19.00/hr

* excludes twine

Powered Equipment

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS /HOUR (No Labor) $/HR.	LABOUR COSTS $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	CUSTOM MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE WAGON SP																	$/BALE
160 BALE (100 HP)	75100	60	18	152.61	15.02	6.19	0.35	174.17		167.63	25.15	192.78	183.17	27.48	210.65		0.56
		100	(G)	98.01	15.02	6.19	0.35	119.56	9.00	113.03	16.95	129.98	128.56	18.28	147.85	375.0	0.39
		140		74.96	15.02	6.19	0.35	96.51		89.98	13.50	103.47	105.51	15.83	121.34	BLS/HR	0.32
COMBINE SP ROTARY																	$/AC
SMALL	79300	120	19	92.34	23.79	5.92	0.42	122.47		116.13	17.42	133.55	131.47	19.72	151.19		21.60
		150	(D)	76.92	23.79	5.92	0.42	107.05	9.00	100.71	15.11	115.82	116.05	17.41	133.46	7.0	19.07
		180		67.10	23.79	5.92	0.42	97.24		90.89	13.63	104.53	106.24	15.94	122.17	AC/HR	17.45
		350		39.96	23.79	5.92	0.42	70.09		63.75	9.56	73.32	79.09	11.86	90.96		12.99
MEDIUM	104100	120	25	121.22	31.23	7.75	0.46	160.65		152.45	22.87	175.31	169.65	25.45	195.10		22.95
		150	(D)	100.98	31.23	7.75	0.46	140.41	9.00	132.21	19.83	152.04	149.41	22.41	171.82	8.5	20.21
		180		88.09	31.23	7.75	0.46	127.53		119.32	17.90	137.22	136.53	20.48	157.00	AC/HR	18.47
		350		52.46	31.23	7.75	0.46	91.90		83.69	12.55	96.24	100.90	15.13	116.03		13.65
LARGE	124900	120	32	145.44	37.47	9.86	1.05	193.81		182.91	27.44	210.34	202.81	30.42	233.24		19.44
		150	(D)	121.15	37.47	9.86	1.05	169.53	9.00	158.62	23.79	182.42	178.53	26.78	205.31	12.0	17.11
		180		105.69	37.47	9.86	1.05	154.07		143.16	21.47	164.64	163.07	24.46	187.53	AC/HR	15.63
		350		62.94	37.47	9.86	1.05	111.32		100.41	15.06	115.48	120.32	18.05	138.37		11.53
COMBINE SP STANDARD																	$/AC
10000-12000 SQIN	72500	120	23	84.42	21.75	7.04	0.42	113.63		106.17	15.93	122.10	122.63	18.39	141.02		25.64
		150	(D)	70.33	21.75	7.04	0.42	99.53	9.00	92.08	13.81	105.89	108.53	16.28	124.81	5.5	22.69
		180		61.35	21.75	7.04	0.42	90.56		83.10	12.47	95.57	99.56	14.93	114.49	AC/HR	20.82
		350		36.54	21.75	7.04	0.42	65.74		58.29	8.74	67.03	74.74	11.21	85.95		15.63
12000-14000 SQIN	93400	120	27	108.76	28.02	8.46	0.42	145.66		136.78	20.52	157.29	154.66	23.20	177.86		25.41
		150	(D)	90.60	28.02	8.46	0.42	127.50	9.00	118.62	17.79	136.41	136.50	20.48	156.98	7.0	22.43
		180		79.04	28.02	8.46	0.42	115.94		107.06	16.06	123.11	124.94	18.74	143.68	AC/HR	20.53
		350		47.07	28.02	8.46	0.42	83.97		75.09	11.26	86.35	92.97	13.95	106.92		15.27
14000-17000 SQIN	95000	120	30	110.62	28.50	9.15	0.46	148.72		139.12	20.87	159.99	157.72	23.66	181.38		20.15
		150	(D)	92.15	28.50	9.15	0.46	130.25	9.00	120.65	18.10	138.75	139.25	20.89	160.14	9.0	17.79
		180		80.39	28.50	9.15	0.46	118.49		108.89	16.33	125.22	127.49	19.12	146.61	AC/HR	16.29
		350		47.88	28.50	9.15	0.46	85.98		76.38	11.46	87.83	94.98	14.25	109.22		12.14
17000+ SQIN	106900	120	32	124.48	32.07	9.86	0.63	167.03		156.55	23.48	180.03	176.03	26.41	202.44		20.24
		150	(D)	103.69	32.07	9.86	0.63	146.25	9.00	135.76	20.36	156.13	155.25	23.29	178.54	10.0	17.85
		180		90.46	32.07	9.86	0.63	133.02		122.53	18.38	140.91	142.02	21.30	163.32	AC/HR	16.33
		350		53.87	32.07	9.86	0.63	96.43		85.94	12.89	98.83	105.43	15.81	121.24		12.12

Powered Equipment

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS /HOUR (No Labor) $/HR.	LABOUR COSTS $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	CUSTOM MARGIN $/HR.	CUSTOM RATE $/HR.	CUSTOM WORK RATE	CALC. CUSTOM RATE
GRAIN AUGERS																	
6 IN.	1750	25	1	8.44	0.70	0.31	0.04	9.48									
33-37 FT		50	(G)	4.57	0.70	0.31	0.04	5.61									
(W/12 HP)		75		3.26	0.70	0.31	0.04	4.30						SEE			
7 IN.	2260	25	1	10.85	0.90	0.48	0.06	12.33									
38-41 FT		50	(G)	5.90	0.90	0.48	0.06	7.33						GRAIN			
(W/16 HP)		75		4.21	0.90	0.48	0.06	5.65									
8 IN	2100	25		10.12	0.84			10.96						HAULING			
40-51 FT		50		5.48	0.84			6.32									
PTO		75		3.91	0.84			4.75						SECTION			
10 IN	4100	25		15.76	1.64			21.40									
60-70 FT		50		10.70	1.64			12.34									
PTO		75		7.64	1.64			9.28									
16 IN	11700	25		56.39	4.68			61.07									
60-80 FT		50		30.54	4.68			35.22									
PTO		75		21.80	4.68			26.48									
SPRAYERS SP																	$/AC
SPRAY	25900	70	8	105.27	23.31	2.79	0.26	131.63		128.58	19.29	147.86	140.63	21.09	161.72		3.23
COUP		150	(G)	67.60	23.31	2.79	0.26	93.96	9.00	90.91	13.64	104.55	102.96	15.44	118.40	50.0	2.37
		300		51.70	23.31	2.79	0.26	78.06		75.01	11.25	86.26	87.06	13.06	100.12	AC/HR	2.00
Note: The cost of hauling water to the field is not included.																	
SWATHERS SP																	$/AC
15 FT	33400	60	8	67.87	6.68	2.79	0.26	77.60		74.55	11.18	85.74	86.60	12.99	99.59		14.23
STANDARD		100	(G)	43.59	6.68	2.79	0.26	53.32	9.00	50.27	7.54	57.81	62.32	9.35	71.67	7.0	10.24
TABLE		140		33.34	6.68	2.79	0.26	43.07		40.02	6.00	46.02	52.07	7.81	59.88	AC/HR	8.56
18 FT	34200	60	9	69.50	6.84	3.09	0.26	79.70		76.34	1.45	87.79	88.70	13.30	102.00		12.00
STANDARD		100	(G)	44.63	6.84	3.09	0.26	54.83	9.00	51.47	7.72	59.19	63.83	9.57	73.40	8.5	8.64
TABLE		140		34.13	6.84	3.09	0.26	44.33		40.97	6.15	47.12	53.33	8.00	61.33	AC/HR	7.22
42FT	66900	60	9	135.95	13.38	3.06	0.26	152.65		149.33	22.40	171.73	161.65	24.25	185.90		9.53
STANDARD		100	D	87.30	13.38	3.06	0.26	104.01	9.00	100.68	15.10	115.79	113.01	16.95	129.96	19.5	6.66
TABLE		140		66.77	13.38	3.06	0.26	83.47		80.15	12.02	92.17	92.47	13.87	106.34	AC/HR	5.45
20-21 FT	35600	60	11	72.34	7.12	3.71	0.32	83.49		79.46	11.92	91.38	92.49	13.87	106.36		11.20
SLIDING		100	(G)	46.46	7.12	3.71	0.32	57.60	9.00	53.58	8.04	61.61	66.60	9.99	76.59	9.5	8.06
TABLE		140		35.53	7.12	3.71	0.32	46.67		42.65	6.40	49.05	55.67	8.35	64.02	AC/HR	6.74
24-26 FT	36600	60	11	74.38	7.32	3.71	0.32	85.72		81.70	12.25	93.95	94.72	14.21	108.93		9.47
SLIDING		100	(G)	47.76	7.32	3.71	0.32	59.10	9.00	55.08	8.26	63.35	68.10	10.22	78.32	11.5	6.81
TABLE		140		36.53	7.32	3.71	0.32	47.87		43.85	6.58	50.43	56.87	8.53	65.40	AC/HR	5.69
30 FT	39700	60	13	80.68	7.94	4.32	0.32	93.25		88.62	13.29	101.91	102.25	15.34	117.59		8.40
SLIDING		100	(G)	51.81	7.94	4.32	0.32	64.38	9.00	59.75	8.96	68.71	73.38	11.01	84.39	14.0	6.03
TABLE		140		39.62	7.94	4.32	0.32	52.20		47.56	7.13	54.70	61.20	9.18	70.38	AC/HR	5.03
36 FT	43000	60	14	87.38	8.60	4.62	0.32	100.92		95.98	14.40	110.38	109.92	16.49	126.41		7.66
SLIDING		100	(G)	56.12	8.60	4.62	0.32	69.65	9.00	64.71	9.71	74.42	78.65	11.80	90.45	16.5	5.48
TABLE		140		42.92	8.60	4.62	0.32	56.46		51.52	7.73	59.24	65.46	9.82	75.27	AC/HR	4.56

Powered Equipment

MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS /HOUR (No Labor) $/HR.	LABOUR COSTS $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR.	CUSTOM MARGIN $/HR.	CUSTOM RATE $/HR.	CUSTOM WORK RATE	CALC. CUSTOM RATE
TRACTORS (2WD PTO-HP)																	
30-39 HP	5100	400	8	5.00	1.26	2.39	0.12	8.77		6.26	0.94	7.20	17.77	2.67	20.44		
		600	(D)	3.52	1.26	2.39	0.12	7.28	9.00	4.77	0.72	5.49	16.28	2.44	18.73		
		800		2.81	1.26	2.39	0.12	6.58		4.07	0.61	4.68	15.58	2.34	17.91		
40-49 HP	17600	400	9	5.83	1.47	2.67	0.16	10.12		7.30	1.09	8.39	19.12	2.87	21.99		
		600	(D)	4.10	1.47	2.67	0.16	8.39	9.00	5.56	0.83	6.40	17.39	2.61	20.00		
		800		3.27	1.47	2.67	0.16	7.56		4.74	0.71	5.45	16.56	2.48	19.05		
50-59 HP	20100	400	10	6.66	1.67	3.22	0.19	11.75		8.34	1.25	9.59	20.75	3.11	23.87		
		600	(D)	4.68	1.67	3.22	0.19	9.77	9.00	6.36	0.95	7.31	18.77	2.82	21.59		
		800		3.74	1.67	3.22	0.19	8.83		5.41	0.81	6.22	17.83	2.67	20.50		
60-69 HP	23500	400	14	7.79	1.96	4.22	0.23	14.19		9.75	1.46	11.21	23.19	3.48	26.67		
		600	(D)	5.47	1.96	4.22	0.23	11.87	9.00	7.43	1.11	8.54	20.87	3.13	24.00		
		800		4.37	1.96	4.22	0.23	10.77		6.33	0.95	7.28	19.77	2.97	22.74		
70-79 HP	35400	400	16	11.73	2.95	5.08	0.26	20.03		14.68	2.20	16.88	29.03	4.35	33.38		
		600	(D)	8.24	2.95	5.08	0.26	16.54	9.00	11.19	1.68	12.87	25.54	3.83	29.37		
		800		6.58	2.95	5.08	0.26	14.88		9.53	1.43	10.96	23.88	3.58	27.46		
80-89 HP	38200	400	18	12.66	3.18	5.49	0.30	21.63		15.84	2.38	18.22	30.63	4.59	35.22		
		600	(D)	8.90	3.18	5.49	0.30	17.86	9.00	12.08	1.81	13.89	25.86	4.03	30.89		
		800		7.10	3.18	5.49	0.30	16.07		10.29	1.54	11.83	25.07	3.76	28.83		
90-99 HP	44000	400	20	14.58	3.67	6.32	0.33	24.90		18.25	2.74	20.98	33.90	5.09	38.99		
		600	(D)	10.25	3.67	6.32	0.33	20.57	9.00	13.91	2.09	16.00	29.57	4.44	34.00		
		800		8.18	3.67	6.32	0.33	18.50		11.85	1.78	13.62	27.50	4.13	31.63		
100-119 HP	53400	400	23	17.70	4.45	7.04	0.39	29.57		22.15	3.32	25.47	38.57	5.78	44.35		
		600	(D)	12.44	4.45	7.04	0.39	24.32	9.00	16.88	2.53	19.42	33.31	5.00	38.30		
		800		9.93	4.45	7.04	0.39	21.80		14.38	2.16	16.53	30.80	4.62	35.42		
120-139 HP	58000	400	28	19.22	4.83	8.74	0.46	33.25		24.05	3.61	27.86	42.25	6.34	48.59		
		600	(D)	13.51	4.83	8.74	0.46	27.54	9.00	18.34	2.75	21.09	36.54	5.48	42.02		
		800		10.79	4.83	8.74	0.46	24.81		15.62	2.34	17.96	33.81	5.07	38.89		
140-159 HP	64300	400	32	21.31	5.36	10.01	0.53	37.20		26.67	4.00	30.67	46.20	6.93	53.14		
		600	(D)	14.97	5.36	10.01	0.53	30.87	9.00	20.33	3.05	23.38	39.87	5.98	45.85		
		800		11.96	5.36	10.01	0.53	27.85		17.31	2.60	19.91	36.85	5.53	42.38		
160-179 HP	73300	400	39	24.29	6.11	11.97	0.60	42.96		30.40	4.56	34.96	51.96	7.79	59.75		
		600	(D)	17.07	6.11	11.97	0.60	35.74	9.00	23.18	3.48	26.65	44.74	6.71	51.45		
		800		13.63	6.11	11.97	0.60	32.30		19.74	2.96	22.70	41.30	6.19	47.49		
180+ HP	82400	400	39	27.31	6.86	12.12	0.63	46.92		34.17	5.13	39.30	55.92	8.39	64.31		
		600	(D)	19.15	6.86	12.12	0.63	38.80	9.00	26.05	3.91	29.96	47.80	7.17	54.98		
		800		15.32	6.86	12.12	0.63	34.94		22.19	3.33	25.51	43.94	6.59	50.53		

Powered Equipment

MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FUEL TYPE + LITRES /HR.	MACHINE COMPONENT COSTS PER HOUR: FIXED COST $/HR	REPAIR COSTS $/HR.	FUEL COST $/HR	LUBE & OIL COSTS $/HR	TOTAL COSTS /HOUR (No Labor) $/HR.	LABOUR COSTS $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	CUSTOM WORK RATES: BASIC CUSTOM WORK RATES $/HR.	CUSTOM MARGIN $/HR.	CUSTOM RATE $/HR.	CUSTOM WORK RATE	C CU R
TRACTORS 4WD-PTOHP																	
100-149 HP	48100	300	35	20.92	3.21	10.70	0.44	35.26		24.13	3.62	27.75	44.26	6.64	50.90		
		400	(D)	16.21	3.21	10.70	0.44	30.55	9.00	19.42	2.91	22.33	39.55	5.93	45.48		
		500		13.44	3.21	10.70	0.44	27.78		16.65	2.50	19.15	36.78	5.52	42.30		
150-174 HP	75400	300	41	32.80	5.03	12.83	0.58	51.24		37.83	5.67	43.50	60.24	9.04	69.28		
		400	(D)	25.41	5.03	12.83	0.58	43.85	9.00	30.44	4.57	35.00	52.85	7.93	60.77		
		500		21.07	5.03	12.83	0.58	39.51		26.10	3.92	30.02	48.51	7.28	55.79		
175-199 HP	83800	300	46	36.45	5.59	14.23	0.67	56.94		42.04	6.31	48.35	65.94	9.89	75.83		
		400	(D)	28.24	5.59	14.23	0.67	48.72	9.00	33.83	5.07	38.90	57.72	8.66	66.38		
		500		23.42	5.59	14.23	0.67	43.90		29.01	4.35	33.36	52.90	7.94	60.84		
200-249 HP	100600	300	54	43.76	6.71	16.77	0.75	67.99		50.47	7.57	58.04	76.99	11.55	88.54		
		400	(D)	33.90	6.71	16.77	0.75	58.13	9.00	40.61	6.09	46.70	67.13	10.07	77.20		
		500		28.11	6.71	16.77	0.75	52.35		34.82	5.22	40.05	61.35	9.20	70.55		
250-300 HP	110300	300	64	47.98	7.36	19.72	0.93	75.98		55.34	8.30	63.64	84.98	12.75	97.73		
		400	(D)	37.17	7.36	19.72	0.93	65.17	9.00	44.52	6.68	51.20	74.17	11.13	85.29		
		500		30.82	7.36	19.72	0.93	58.83		38.18	5.73	43.91	67.83	10.17	78.00		
301+ HP	123400	300	82	53.68	8.23	25.36	1.05	88.32		61.91	9.29	71.20	97.32	14.60	111.92		
		400	(D)	41.58	8.23	25.36	1.05	76.22	9.00	45.81	7.47	57.28	85.22	12.78	98.01		
		500		34.49	8.23	25.36	1.05	69.13		42.72	6.41	49.12	78.13	11.72	89.85		
TRUCKS GRAIN																	
1 TON	15400	100	18	19.52	5.78	6.02	0.42	31.73		25.29	3.79	29.09	40.73	6.11	46.84		
		120	(G)	16.75	5.78	6.02	0.42	28.96	9.00	22.52	3.38	25.90	37.96	5.69	43.65		
		140		14.83	5.78	6.02	0.42	27.04		20.60	3.09	23.69	36.04	5.41	41.45		
3-4 TON	30050	100	23	38.09	11.27	7.72	0.42	57.50		49.36	7.40	56.76	66.50	9.97	76.47		
		120	(G)	32.68	11.27	7.72	0.42	52.09	9.00	43.95	6.59	50.54	61.08	9.16	70.25		
		140		28.93	11.27	7.72	0.42	48.34		40.20	6.03	46.23	57.34	8.60	65.94		
4 TON	42300	100	32	53.62	15.86	10.81	0.49	80.78		69.48	10.42	79.90	89.78	13.47	103.25		
		120	(G)	46.00	15.86	10.81	0.49	73.17	9.00	61.86	9.28	71.14	82.17	12.32	94.49		
GAS TAND.		140		40.72	15.86	10.81	0.49	67.89		56.59	8.49	65.08	76.89	11.53	88.42		
4 TON	48900	100	19	61.98	18.34	5.77	0.49	86.57		80.32	12.05	92.37	95.57	14.34	109.91		
		120	(D)	53.18	18.34	5.77	0.49	77.77	9.00	71.52	10.73	82.24	86.77	13.02	99.79		
DSL TAND		140		47.08	18.34	5.77	0.49	71.67		65.42	9.81	75.23	80.67	12.10	92.77		

Note: 3T and 4T trucks were priced with grain box, hoist, and roll tarp

TRUCKS PICK-UP																	
1/2 TON	11700	100	14	14.83	3.41	4.62	0.35	23.22		18.24	2.74	20.98	32.22	4.83	37.05		
		120	(G)	12.72	3.41	4.62	0.35	21.11	9.00	16.14	2.42	18.56	30.11	4.52	34.63		
		140		11.26	3.41	4.62	0.35	19.65		14.68	2.20	16.88	28.65	4.30	32.95		
3/4 TON	13900	100	16	17.62	4.05	5.41	0.35	27.43		21.67	3.25	24.92	36.43	5.46	41.89		
		120	(G)	15.12	4.05	5.41	0.35	24.93	9.00	19.17	2.88	22.05	33.93	5.09	39.02		
		140		13.38	4.05	5.41	0.35	23.19		17.44	2.62	20.06	32.19	4.83	37.02		

DRAWN EQUIPMENT - GRAIN

MACHINE	ORIG.	ANN. HRS OF	MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
			FIXED COST	REPAIR COSTS	TOTAL COSTS /HOUR (No Labor)	BASIC RENTAL COSTS	MARGIN	RENTAL RATE	MACHINE TOTAL COSTS	POWER UNIT COSTS	BASIC CUSTOM LABOUR COSTS	WORK RATES	MARGIN	CUSTOM RATE	WORK RATE	CALC. CUSTOM RATE
SIZE	COST	USE	$/HR	$/HR.	$/HR	$/HR	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	RATE	
AIR SEEDERS INCL CULT																$/AC
24-25 FT	30300	60	61.57	13.64	75.21	75.21	11.28	86.49	75.21			111.74	16.76	128.51		12.24
		100	39.54	13.64	53.18	53.18	7.98	61.15	53.18	27.54	9.00	89.71	13.46	103.17	10.5	9.83
		140	30.24	13.64	43.88	43.88	6.58	50.46	43.88	130 HP		80.41	12.06	92.47	AC/HR	8.81
30-32 FT	36400	60	73.97	16.38	90.35	90.35	13.55	103.90	90.35			130.22	19.53	149.75		11.52
		100	47.50	16.38	63.88	63.88	9.58	73.46	63.88	30.87	9.00	103.75	15.56	119.31	13.0	9.18
		140	36.33	16.38	52.71	52.71	7.91	60.62	52.71	150 HP		92.58	13.89	106.47	AC/HR	8.19
35-36 FT	41300	60	83.93	18.59	102.51	102.51	15.38	117.89	102.51			147.25	22.09	169.34		11.29
		100	53.90	18.59	72.48	72.48	10.87	83.35	72.48	35.74	9.00	117.22	17.58	134.80	15.0	8.99
		140	41.22	18.59	59.81	59.81	8.97	68.78	59.81	170 HP		104.54	15.68	120.22	AC/HR	8.01
40 FT	48200	60	97.95	21.69	119.64	119.64	17.95	137.59	119.64			177.36	26.60	203.96		12.00
		100	62.90	21.69	84.59	84.59	12.69	97.28	84.59	48.72	9.00	142.31	21.35	163.66	17.0	9.63
		140	48.11	21.69	69.80	69.80	10.47	80.27	69.80	180 HP		127.52	19.13	146.65	AC/HR	8.63
45 FT	55100	60	111.97	24.80	136.77	136.77	20.51	157.28	136.77			203.90	30.58	234.48		12.34
		100	71.91	24.80	96.70	96.70	14.51	111.21	96.70	58.13	9.00	163.83	24.57	188.41	15.0	9.92
		140	54.99	24.80	79.79	79.79	11.97	91.76	79.79	215 HP		146.92	22.04	168.96	AC/HR	8.89

Note: If equipped with mounted harrow add $0.41/AC
If equipped with tow behind packers add $0.66/AC

BANDER - FERTILIZER (INCL. CULT.)																$/AC
24-25 FT	30300	60	61.57	13.64	75.21	75.21	11.28	86.49	75.21			111.74	16.76	128.51		15.30
		100	39.54	13.64	53.18	53.18	7.98	61.15	53.18	27.54	9.00	89.71	13.46	103.17	8.4	12.28
		140	30.24	13.64	43.88	43.88	6.58	50.46	43.88	130 HP		80.41	12.06	92.47	AC/HR	11.01
30-32 FT	36400	60	73.97	16.38	90.35	90.35	13.55	103.90	90.35			130.22	19.53	149.75		14.26
		100	47.50	16.38	63.88	63.88	9.58	73.46	63.88	30.87	9.00	103.75	15.56	119.31	10.5	11.36
		140	36.33	16.38	52.71	52.71	7.91	60.62	52.71	150 HP		92.58	13.89	106.47	AC/HR	10.14
35-36FT	41300	60	83.93	18.59	102.51	102.51	15.38	117.89	102.51			147.25	22.09	169.34		14.11
		100	53.90	18.59	72.48	72.48	10.87	83.35	72.48	35.74	9.00	117.22	17.58	134.80	12.0	11.23
		140	41.22	18.59	59.81	59.81	8.97	68.78	59.81	170 HP		104.54	15.68	120.22	AC/HR	10.02
40 FT	48200	60	97.95	21.69	119.64	119.64	17.95	137.59	119.64			177.36	26.60	203.96		15.11
		100	62.90	21.69	84.59	84.59	12.69	97.28	84.59	48.72	9.00	142.31	21.35	163.66	13.5	12.12
		140	48.11	21.69	69.80	69.80	10.47	80.27	69.80	180 HP		127.52	19.13	146.65	AC/HR	10.86
45 FT	55100	60	111.97	24.80	136.77	136.77	20.51	157.28	136.77			203.90	30.58	234.48		15.13
		100	71.91	24.80	96.70	96.70	14.51	111.21	96.70	58.13	9.00	163.83	24.57	188.41	15.5	12.16
		140	54.99	24.80	79.79	79.79	11.97	91.76	79.79	215 HP		146.92	22.04	168.96	AC/HR	10.90

Note: Fertilizer Bander work rate is 80% of normal tillage work rate. If equipped with mounted harrows add $0.41/AC, If equipped with tow behind packers add $0.66/AC

BULK APPLICATOR (GRANULES)																
41-46 FT 6940	60	17.62	4.86	22.48	22.48	3.37	25.85	22.48			41.25	6.19	47.44		2.16	
	80	13.92	4.86	18.78	18.78	2.82	21.60	18.78	9.77	9.00	37.55	5.63	43.19	22.0	1.96	
	100	11.83	4.86	16.69	16.69	2.50	19.19	16.69	55 HP		35.46	5.32	40.78	AC/HR	1.85	

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
COMBINE PULL TYPE																$/AC
10000- 14000 SQR IN.	44050	120	51.29	20.56	71.85	71.85	10.78	82.63	71.85			105.16	15.77	120.93		20.16
		150	42.73	20.56	63.29	63.29	9.49	72.78	63.29	24.31	9.00	96.59	14.49	111.08	6.0	18.51
		180	37.28	20.56	57.83	57.83	8.68	66.51	57.83	110 HP		91.14	13.67	104.81	AC/HR	17.47
		350	22.20	20.56	42.76	42.76	6.41	49.17	42.76			76.06	11.41	87.47		14.58
14000+ SQR IN.	67100	120	78.13	31.32	109.45	109.45	16.42	125.87	109.45			145.98	21.90	167.88		20.99
		150	65.09	31.32	96.40	96.40	14.46	110.86	96.40	27.54	9.00	132.94	19.94	152.88	8.0	19.11
		180	56.78	31.32	88.10	88.10	13.21	101.31	88.10	130 HP		124.63	18.69	143.33	AC/HR	17.92
		350	33.82	31.32	65.13	65.13	9.77	74.90	65.13			101.67	15.25	116.92		14.61
ROTARY PTO LARGE	66000	120	76.85	30.80	107.65	107.65	16.15	123.80	107.65			147.52	22.13	169.65		15.42
		150	64.02	30.80	94.82	94.82	14.22	109.05	94.82	30.87	9.00	134.69	20.20	154.89	11.0	14.08
		180	55.85	30.80	86.65	86.65	13.00	99.65	86.65	150 HP		126.52	18.98	145.50	AC/HR	13.23
		350	33.26	30.80	64.06	64.06	9.61	73.67	64.06			103.93	15.59	119.52		10.87
FIELD CULTIVATORS																$/AC
15 FT	3900	150	3.17	0.86	4.03	4.03	0.60	4.63	4.03			24.90	3.74	28.64		3.82
		250	2.04	0.86	2.89	2.89	0.43	3.33	2.89	11.87	9.00	23.77	3.57	27.33	7.5	3.64
		350	1.56	0.86	2.42	2.42	0.36	2.78	2.42	65 HP		23.29	3.49	26.78	AC/HR	3.57
20 FT	7100	150	5.77	1.56	7.33	7.33	1.10	8.43	7.33			34.20	5.13	39.33		3.93
		250	3.71	1.56	5.27	5.27	0.79	6.06	5.27	17.86	9.00	32.13	4.82	36.95	10.0	3.70
		350	2.83	1.56	4.40	4.40	0.66	5.06	4.40	85 HP		31.26	4.69	35.95	AC/HR	3.59
27FT	10700	150	8.70	2.35	11.05	11.05	1.66	12.71	11.05			44.36	6.65	51.01		3.78
		250	5.59	2.35	7.94	7.94	1.19	9.13	7.94	24.31	9.00	41.25	6.19	47.43	33.5	3.51
		350	4.27	2.35	6.63	6.63	0.99	7.62	6.63	110 HP		39.93	5.99	45.92	AC/HR	3.40
33 FT	12300	150	10.00	2.71	12.70	12.70	1.91	14.61	12.70			49.24	7.39	56.63		3.43
		250	6.42	2.71	9.13	9.13	1.37	10.50	9.13	27.54	9.00	45.66	6.85	52.51	16.5	3.18
		350	4.91	2.71	7.62	7.62	1.14	8.76	7.62	130 HP		44.15	6.62	50.78	AC/HR	3.08
41-45	15300	150	12.44	3.37	15.80	15.80	2.37	18.17	15.80			55.67	8.35	64.02		2.98
		250	7.99	3.37	11.36	11.35	1.70	13.06	11.35	30.87	9.00	51.22	7.68	58.90	21.5	2.74
		350	6.11	3.37	9.47	9.47	1.42	10.90	9.47	150 HP		49.34	7.40	56.74	AC/HR	2.64
51-55 FT	24200	150	19.67	5.32	25.00	25.00	3.75	28.74	25.00			82.72	12.41	95.12		3.69
		250	12.63	5.32	17.96	17.96	2.69	20.65	17.96	48.72	9.00	75.68	11.35	87.03	28.5	3.28
		350	9.66	5.32	14.99	14.99	2.25	17.23	14.99	187 HP		72.71	10.91	83.61	AC/HR	3.16
56-60 FT	28400	150	23.09	6.25	29.33	29.33	4.40	33.73	29.33			96.47	14.47	110.94		3.83
		250	14.82	6.25	21.07	21.07	3.16	24.23	21.07	58.13	9.00	88.20	13.23	101.44	29.0	3.50
		350	11.34	6.25	17.59	17.59	2.64	20.22	17.59	215 HP		84.72	12.71	97.43	AC/HR	3.36

Note: If equipped with mounted harrows add $0.41/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES								
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS - HEAVY DUTY																$/AC
18-20 FT	9600	150	7.80	2.11	9.92	9.92	1.49	11.40	9.92			36.78	5.52	42.29		4.45
		250	5.01	2.11	7.12	7.12	1.07	8.19	7.12	17.86	9.00	33.99	5.10	39.08	9.5	4.11
		350	3.83	2.11	5.94	5.94	0.89	6.84	5.94	85 HP		32.81	4.92	37.73	AC/HR	3.97
21-22 FT	11300	150	9.19	2.48	11.67	11.67	1.75	13.42	11.67			44.98	6.75	51.72		4.70
		250	5.90	2.48	8.38	8.38	1.26	9.64	8.38	24.31	9.00	41.69	6.25	47.94	11.0	4.36
		350	4.51	2.48	7.00	7.00	1.05	8.05	7.00	110 HP		40.30	6.05	46.35	AC/HR	4.21
23-25 FT	12700	150	10.32	2.79	13.12	13.12	1.97	15.08	13.12			46.42	6.96	53.39		4.45
		250	6.63	2.79	9.42	9.42	1.41	10.84	9.42	24.31	9.00	42.73	6.41	49.14	12.0	4.09
		350	5.07	2.79	7.86	7.86	1.18	9.04	7.86	110 HP		41.17	6.18	47.35	AC/HR	3.95
27 FT	13800	150	11.22	3.04	14.25	14.25	2.14	16.39	14.25			50.78	7.62	58.41		4.33
		250	7.20	3.04	10.24	10.24	1.54	11.78	10.24	27.54	9.00	46.78	7.02	53.79	13.5	3.98
		350	5.51	3.04	8.55	8.55	1.28	9.83	8.55	130 HP		45.08	6.76	51.84	AC/HR	3.84
31 FT	15800	150	12.84	3.48	16.32	16.32	2.45	18.77	16.32			56.19	8.43	64.62		4.17
		250	8.25	3.48	11.72	11.72	1.76	13.48	11.72	30.87	9.00	51.59	7.74	59.33	15.5	3.83
		350	6.31	3.48	9.78	9.78	1.47	11.25	9.78	150 HP		49.65	7.45	57.10	AC/HR	3.68
33 FT	16800	150	13.66	3.70	17.35	17.35	2.60	19.95	17.35			57.22	8.58	65.80		3.99
		250	8.77	3.70	12.47	12.47	1.87	14.34	12.47	30.87	9.00	52.33	7.86	60.18	15.5	3.85
		350	6.71	3.70	10.40	10.40	1.56	11.96	10.40	150 HP		50.27	7.54	57.81	AC/HR	3.50
35 FT	17700	150	14.39	3.89	18.28	18.28	2.74	21.02	18.28			63.02	9.45	72.47		4.14
		250	9.24	3.89	13.13	13.13	1.97	15.10	13.13	35.74	9.00	57.87	8.68	66.55	17.5	3.80
		350	7.07	3.89	10.96	10.96	1.64	12.60	10.96	170 HP		55.70	8.35	64.05	AC/HR	3.66
37 FT	18600	150	15.12	4.09	19.21	19.21	2.88	22.09	19.21			63.95	9.59	73.54		3.98
		250	9.71	4.09	13.80	13.80	2.07	15.87	13.80	35.74	9.00	58.64	8.78	67.32	18.5	3.64
		350	7.43	4.09	11.52	11.52	1.73	13.25	11.52	170 HP		56.26	8.44	64.69	AC/HR	3.50
41 FT	19600	150	15.93	4.31	20.24	20.24	3.04	23.28	20.24			64.98	9.75	74.73		3.65
		250	10.23	4.31	14.54	14.54	2.18	16.72	14.54	35.74	9.00	59.28	8.89	68.17	20.5	3.33
		350	7.82	4.31	12.14	12.14	1.82	13.96	12.14	170 HP		56.87	8.53	65.41	AC/HR	3.19
45-47 FT	27400	150	22.27	6.03	28.30	28.30	4.25	32.55	28.30			86.02	12.90	98.92		4.38
		250	14.30	6.03	20.33	20.33	3.05	23.38	20.33	48.72	9.00	78.05	11.71	89.76	23.0	3.90
		350	10.94	6.03	16.97	16.97	2.55	19.51	16.97	187 HP		74.69	11.20	85.89	AC/HR	3.73
60 FT	37100	150	30.16	8.16	38.32	38.32	5.75	44.07	38.32			105.45	15.82	121.27		4.04
		250	15.37	8.16	27.53	27.53	4.13	31.66	27.53	58.13	9.00	94.66	14.20	108.86	30.0	3.63
		350	14.81	8.16	22.97	22.97	3.45	26.42	22.97	215 HP		90.11	13.52	103.62	AC/HR	3.45

Note: If equipped with mounted harrows add $0.41/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DISCERS W/SEED,FERT																$/AC
15-16 FT	9900	100	12.22	2.97	15.19	15.19	2.28	17.47	15.19			40.73	6.11	46.84		7.21
		150	8.61	2.97	11.58	11.58	1.74	13.32	11.58	16.54	9.00	37.12	5.57	42.69	6.5	6.57
		200	6.79	2.97	9.76	9.76	1.46	11.22	9.76	75 HP		35.30	5.29	40.59	AC/HR	6.25
18 FT	11600	100	14.32	3.48	17.80	17.80	2.67	20.47	17.80			44.66	6.70	51.36		6.85
		150	10.09	3.48	13.57	13.57	2.04	15.61	13.57	17.86	9.00	40.43	6.07	46.50	7.5	6.20
		200	7.96	3.48	11.44	11.44	1.72	13.15	11.44	85 HP		38.30	5.74	44.04	AC/HR	5.87
24-25 FT	17600	100	21.73	5.28	27.01	27.01	4.05	31.06	27.01			60.31	9.05	69.36		6.94
		150	15.31	5.28	20.59	20.59	3.09	23.68	20.59	24.31	9.00	53.90	8.08	61.98	10.0	6.20
		200	12.07	5.28	17.35	17.35	2.60	19.95	17.35	110 HP		50.66	7.60	58.26	AC/HR	5.83
30 FT	20000	100	24.69	6.00	30.69	30.69	4.60	35.29	30.69			70.56	10.58	81.14		6.49
		150	17.40	6.00	23.40	23.40	3.51	26.91	23.40	30.87	9.00	63.27	9.49	72.76	12.50	6.82
		200	13.72	6.00	19.72	19.72	2.96	22.67	19.72	150 HP		59.59	8.94	68.52	AC/HR	5.48
36 FT	28100	100	34.69	8.43	43.12	43.12	6.47	49.58	43.12			82.99	12.45	95.43		6.36
		150	24.45	8.43	32.88	32.88	4.93	37.81	32.88	30.87	9.00	72.75	10.91	83.66	15.0	5.58
		200	19.27	8.43	27.70	27.70	4.16	31.86	27.70	150 HP		67.57	10.14	77.71	AC/HR	5.18
45 FT	31800	100	39.25	9.54	48.79	48.79	7.32	56.11	48.79			106.52	15.98	122.49		6.46
		150	27.67	9.54	37.21	37.21	5.58	42.79	37.21	48.72	9.00	94.93	14.24	109.17	19.0	5.75
		200	21.81	9.54	31.35	31.35	4.70	36.05	31.35	185 HP		89.07	13.36	102.43	AC/HR	5.39
60-64 FT	43600	100	53.82	13.08	66.90	66.90	10.04	76.94	66.90			134.03	20.10	154.14		6.93
		150	37.93	13.08	51.01	51.01	7.65	58.66	51.01	58.13	9.00	118.14	17.72	135.87	26.0	5.23
		200	29.90	13.08	42.98	42.98	6.45	49.43	42.98	215 HP		110.11	16.52	126.63	AC/HR	4.87
DISC TANDEM																$/AC
12-14 FT	6800	100	8.39	2.04	10.43	10.43	1.57	12.00	10.43			31.31	4.70	36.00		5.54
		150	5.92	2.04	7.96	7.96	1.19	9.15	7.96	11.87	9.00	28.83	4.32	33.15	6.5	5.10
		200	4.66	2.04	6.70	6.70	1.01	7.71	6.70	65 HP		27.58	4.14	31.71	AC/HR	4.88
15-17 FT	9500	100	11.73	2.85	14.58	14.58	2.19	16.76	14.58			41.44	6.22	47.66		5.96
		150	8.27	2.85	11.12	11.12	1.67	12.78	11.12	17.86	9.00	37.98	5.70	43.67	8.0	5.46
		200	6.52	2.85	9.37	9.37	1.40	10.77	9.37	85 HP		36.23	5.43	41.66	AC/HR	5.21

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	BASIC CUSTOM LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DISC TANDEM (CONT)																$/AC
20-22 FT	13900	100	17.16	4.17	21.33	21.33	3.20	24.53	21.33			54.63	8.20	62.83		5.98
		150	12.09	4.17	16.26	16.26	2.44	18.70	16.26	24.31	9.00	49.57	7.44	57.00	10.5	5.43
		200	9.53	4.17	13.70	13.70	2.06	15.76	13.70	110 HP		47.01	7.05	54.06	AC/HR	5.15
23-25 FT	17300	100	21.36	5.19	26.55	26.55	3.98	30.53	26.55			63.08	9.46	72.54		6.05
		150	15.05	5.19	20.24	20.24	3.04	23.28	20.24	27.54	9.00	56.78	8.52	65.29	12.0	5.44
		200	11.86	5.19	17.05				130 HP		36.54	5.48	42.02	AC/HR	3.50	
26-28 FT	21100	100	26.05	6.33	32.38	32.38	4.86	37.23	32.38			72.24	10.84	83.08		6.16
		150	18.36	6.33	24.69	24.69	3.70	28.39	24.69	30.87	9.00	64.56	9.68	74.24	13.5	5.50
		200	14.47	6.33	20.80	20.80	3.12	23.92	20.80	150 HP		60.67	9.10	69.77	AC/HR	5.17
29-31 FT	23400	100	28.89	7.02	35.91	35.91	5.39	41.29	35.91			93.63	14.04	107.67		7.18
		150	20.36	7.02	27.38	27.38	4.11	31.48	27.38	42.72	9.00	85.10	12.76	97.86	15.0	6.62
		200	16.05	7.02	23.07	23.07	3.46	26.53	23.07	185 HP		80.79	12.12	92.91	AC/HR	6.19
DRILL DISC PRESS																$/AC
7-10 FT	10950	60	22.25	4.93	27.18	27.18	4.08	31.26	27.18			45.95	6.89	52.84		15.10
		100	14.29	4.93	19.22	19.22	2.88	22.10	19.22	9.77	9.00	37.99	5.70	43.69	3.5	12.48
		140	10.93	4.93	15.86	15.86	2.38	18.23	15.86	55 HP		34.63	5.19	39.82	AC/HR	11.38
14-16 FT	19400	60	39.42	8.73	48.15	48.15	7.22	55.38	48.15			75.02	11.25	86.27		13.27
		100	25.32	8.73	34.05	34.05	5.11	39.15	34.05	17.86	9.00	60.91	9.14	70.05	6.5	10.78
		140	19.36	8.73	28.09	28.09	4.21	32.31	28.09	85 HP		54.96	8.24	63.20	AC/HR	9.72
24 FT	27950	60	56.80	12.58	69.38	69.38	10.41	79.78	69.38			102.68	15.40	118.08		11.81
		100	36.47	12.58	49.05	49.05	7.36	56.41	49.05	24.31	9.00	82.36	12.35	94.71	10.00	9.47
		140	27.90	12.58	40.47	40.47	6.07	46.54	40.47	110 HP		73.78	11.07	84.85	AC/HR	8.48
28-30 FT	38000	60	77.22	17.10	94.32	94.32	14.15	108.47	94.32			130.86	19.63	150.49		12.54
		100	49.59	17.10	66.69	66.69	10.00	76.69	66.69	27.54	9.00	103.23	15.48	118.71	12.0	9.89
		140	37.93	17.10	55.03	55.03	8.25	63.28	55.03	130 HP		91.56	13.73	105.30	AC/HR	8.77
40-42 FT	50700	60	103.03	22.82	125.84	125.84	18.88	144.72	125.84			170.58	25.59	196.17		11.54
		100	66.16	22.82	88.98	88.98	13.35	102.33	88.98	35.74	9.00	133.72	20.06	153.77	17.0	9.05
		140	50.60	22.82	73.42	73.42	11.01	84.43	73.42	170 HP		118.15	17.72	135.88	AC/HR	7.99

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DRILL HOE PRESS																
7-10 FT	9500	60	19.31	4.28	23.58	23.58	3.54	27.12	23.58			44.45	6.67	51.12		14.61
		100	12.40	4.28	16.67	16.67	2.50	19.17	16.67	11.87	9.00	37.55	5.63	43.18	3.5	12.34
		140	9.48	4.28	13.76	13.76	2.06	15.82	13.76	65 HP		34.63	5.19	39.83	AC/HR	11.38
14-16 FT	16200	60	32.92	7.29	40.21	40.21	6.03	46.24	40.21			65.75	9.86	75.61		11.63
		100	21.14	7.29	28.43	28.43	4.26	32.70	28.43	16.54	9.00	53.97	8.10	62.07	6.5	9.55
		140	16.17	7.29	23.46	23.46	3.52	26.98	23.46	75 HP		49.00	7.35	56.35	AC/HR	8.67
20-21 FT	21900	60	44.50	9.86	54.36	54.36	8.15	62.51	54.36			87.67	13.15	100.81		11.86
		100	28.58	9.86	38.43	38.43	5.77	44.20	38.43	24.31	9.00	71.74	10.76	82.50	8.5	9.71
		140	21.86	9.86	31.71	31.71	4.76	36.47	31.71	110 HP		65.02	9.75	74.77	AC/HR	8.80
24 FT	23700	60	48.16	10.67	58.83	58.83	8.82	67.65	58.83			95.36	14.30	109.67		10.97
		100	30.93	10.67	41.59	41.59	6.24	47.83	41.59	27.54	9.00	78.13	11.72	89.85	10.0	8.98
		140	23.65	10.67	34.32	34.32	5.15	39.47	34.32	130 HP		70.86	10.63	81.48	AC/HR	8.15
28-30 FT	35600	60	72.34	16.02	88.36	88.36	13.25	101.62	88.36			128.23	19.23	147.47		12.29
		100	46.46	16.02	62.48	62.48	9.37	71.85	62.48	30.87	9.00	102.35	15.35	117.70	12.0	9.81
		140	35.53	16.02	51.55	51.55	7.73	59.28	51.55	150 HP		91.42	13.71	105.13	AC/HR	8.76
40-42 FT	46800	60	95.10	21.06	116.16	116.16	17.42	133.59	116.16			173.85	26.08	199.97		11.76
		100	61.07	21.06	82.13	82.13	12.32	94.45	82.13	48.72	9.00	139.86	20.98	160.83	17.0	9.46
		140	46.71	21.06	67.77	67.77	10.17	77.94	67.77	185 HP		125.49	18.82	144.31	AC/HR	8.49
DRILL NO TILL DISC																$/AC
10 FT	18300	60	37.19	8.24	45.42	45.42	6.81	52.24	45.42			72.25	10.84	83.13		20.78
		100	23.88	8.24	32.12	32.12	4.82	36.93	32.12	17.86	9.00	58.98	8.85	67.83	4.0	16.96
		140	18.26	8.24	26.50	26.50	3.97	30.47	26.50	85 HP		53.36	8.00	61.37	AC/HR	15.34
HARROW DRBR HYD W/HARROWS																$/AC
40 FT	5100	60	0.51	2.18	2.69	2.69	0.40	3.09	2.69			23.56	3.53	27.10		1.35
		100	0.35	2.18	2.53	2.53	0.38	2.91	2.53	11.87	9.00	23.41	3.51	26.92	20.0	1.35
		140	0.29	2.18	2.46	2.46	0.37	2.83	2.46	65 HP		23.34	3.50	26.84	AC/HR	1.34
50 FT	5700	60	0.57	2.43	3.01	3.01	0.45	3.46	3.01			29.87	4.48	34.35		1.37
		100	0.40	2.43	2.83	2.83	0.42	3.25	2.83	17.86	9.00	29.85	4.45	34.15	25.0	1.37
		140	0.32	2.43	2.75	2.75	0.41	3.17	2.75	85 HP		29.62	4.44	34.06	AC/HR	1.36
60 FT	6500	60	0.65	2.78	3.43	3.43	0.51	3.94	3.43			33.00	4.95	37.95		1.26
		100	0.45	2.78	3.23	3.23	0.48	3.71	3.23	20.57	9.00	32.80	4.92	37.71	30.0	1.26
		140	0.36	2.78	3.14	3.14	0.47	3.61	3.14	95 HP		32.71	4.91	37.62	AC/HR	1.25
80 FT	8400	60	0.84	3.59	4.43	4.43	0.66	5.09	4.43			37.74	5.66	43.40		1.08
		100	0.58	3.59	4.17	4.17	0.63	4.80	4.17	24.31	9.00	37.48	5.62	43.10	40.0	1.08
		140	0.47	3.59	4.06	4.06	0.61	4.67	4.06	110 HP		37.36	5.60	42.97	AC/HR	1.07

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
HARROW PACKER																$/AC
30 FT	10500	60	1.05	4.48	5.54	5.54	0.83	6.37	5.54			32.40	4.86	37.26		2.48
		100	0.73	4.48	5.21	6.21	0.78	5.99	5.21	17.86	9.00	32.07	4.81	36.89	15.0	2.46
		140	0.59	4.48	5.07	5.07	0.76	5.83	5.07	85 HP		31.94	4.79	36.73	AC/HR	2.45
45-50 FT	12900	60	1.29	5.51	6.80	6.80	1.02	7.82	6.80			40.11	6.02	46.12		1.92
		100	0.90	5.51	6.40	6.40	0.96	7.36	6.40	24.31	9.00	39.71	5.96	45.67	24.0	1.90
		140	0.72	5.51	6.23	6.23	0.93	7.17	6.23	110 HP		39.54	5.93	45.47	AC/HR	1.89
60-70 FT	15300	60	1.53	6.53	8.07	8.07	1.21	9.28	8.07			47.94	7.19	55.13		1.70
		100	1.06	6.53	7.59	7.59	1.14	8.73	7.59	30.87	9.00	47.46	7.12	54.58	32.5	1.68
		140	0.86	6.53	7.39	7.39	1.11	8.50	7.39	150 HP		47.26	7.09	54.35	AC/HR	1.67
80 FT	17800	60	1.79	7.60	9.39	9.39	1.41	10.79	9.39			57.19	8.58	65.77		1.84
		100	1.24	7.60	8.84	8.84	1.33	10.16	8.84	38.80	9.00	56.64	8.50	65.14	40.0	1.63
		140	1.00	7.60	8.60	8.60	1.29	9.89	8.60	180 HP		56.40	8.46	64.86	AC/HR	1.62
PLOWS																$/AC
7 FT	10800	100	13.17	5.94	19.11	19.11	2.87	21.97	19.11			39.98	6.00	45.98		16.33
5-FURROW		150	9.40	5.94	15.34	15.34	2.30	17.64	15.34	11.87	9.00	36.21	5.43	41.64	3.0	13.88
		200	7.55	5.94	13.49	13.49	2.02	15.51	13.49	65 HP		34.36	5.15	39.51	AC/HR	13.17
9 FT	13200	100	16.09	7.26	23.35	23.35	3.50	26.86	23.35			52.92	7.94	60.86		17.39
6-FURROW		150	11.48	7.26	18.74	18.74	2.81	21.56	18.74	20.57	9.00	48.31	7.25	55.56	3.5	15.87
		200	9.22	7.26	16.48	16.48	2.47	18.95	16.48	95 HP		46.05	6.91	52.96	AC/HR	15.13
12 FT	18700	100	22.80	10.29	33.09	33.09	4.96	38.05	33.09			69.62	10.44	80.06		17.79
8-FURROW		150	16.27	10.29	26.55	26.55	3.98	30.54	26.55	27.54	9.00	63.08	9.46	72.55	4.5	16.12
		200	13.06	10.29	23.35	23.35	3.50	26.85	23.35	120 HP		59.89	8.98	68.87	AC/HR	15.30
16 FT	25200	100	30.73	13.86	44.59	44.59	6.69	51.27	44.59			89.32	13.40	102.72		16.80
11 FURROW		150	21.92	13.86	35.78	35.78	5.37	41.15	35.78	35.74	9.00	80.52	12.08	92.60	6.5	14.25
		200	17.61	13.86	31.47	31.47	4.72	36.19	31.47	160 HP		76.20	11.43	87.63	AC/HR	13.48
PNEUMATIC GRAIN MOVER																$/BU
1000-1200	8100	25	39.04	3.24	42.28	42.28	6.34	48.62	42.28			67.82	10.17	77.99		0.07
BUS/HR		50	21.14	3.24	24.38	24.38	3.66	28.04	24.38	16.54	9.00	49.92	7.49	57.41	1100.0	0.05
		75	15.09	3.24	18.33	18.33	2.75	21.08	18.33	75 HP		43.87	6.58	50.45	BU/HR	0.05
1500-1800	10400	25	50.13	4.16	54.29	54.29	8.14	62.43	54.29			83.86	12.58	96.44		0.06
BUS/HR		50	27.14	4.16	31.30	31.30	4.70	36.00	31.30	20.57	9.00	60.87	9.13	70.00	1650.0	0.04
		75	19.38	4.16	23.54	23.54	3.53	27.07	23.54	95 HP		53.10	7.97	61.07	BU/HR	0.04

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
RODWEEDER																$/AC
24 FT	3900	60	7.93	2.15	10.07	10.07	1.51	11.58	10.07			30.94	4.64	35.59		2.97
		100	5.09	2.15	7.23	7.23	1.09	8.32	7.23	11.87	9.00	28.11	4.22	32.32	12.0	2.69
		140	3.89	2.15	6.04	6.04	0.91	6.94	6.04	65 HP		26.91	4.04	30.95	AC/HR	2.58
28-30 FT	6100	60	12.40	3.36	15.75	15.75	2.36	18.11	15.75			41.29	6.19	47.48		3.27
		100	7.96	3.36	11.32	11.32	1.70	13.01	11.32	16.54	9.00	36.86	5.53	42.38	14.5	2.92
		140	6.09	3.36	9.44	9.44	1.42	10.86	9.44	75 HP		34.98	5.25	40.23	AC/HR	2.77
36 FT	7100	60	14.43	3.91	18.33	18.33	2.75	21.08	18.33			47.90	7.19	55.09		3.06
		100	9.27	3.91	13.17	13.17	1.98	15.15	13.17	20.57	9.00	42.74	6.41	49.15	18.0	2.73
		140	7.09	3.91	10.99	10.99	1.65	12.64	10.99	95 HP		40.56	6.08	46.64	AC/HR	2.59
48 FT	10600	60	21.54	5.83	27.37	27.37	4.11	31.48	27.37			60.68	9.10	69.78		2.91
		100	13.83	5.83	19.66	19.66	2.95	22.61	19.66	24.31	9.00	52.97	7.95	60.91	24.0	2.54
		140	10.58	5.83	16.41	16.41	2.46	18.87	16.41	110 HP		49.72	7.46	57.17	AC/HR	2.38
56 FT	15300	60	31.09	8.42	39.51	39.51	5.93	45.43	39.51			76.04	11.41	87.45		3.12
		100	19.97	8.42	28.38	28.38	4.26	32.64	28.38	27.54	9.00	64.92	9.74	74.65	28.0	2.67
		140	15.27	8.42	23.69	23.69	3.55	27.24	23.69	130 HP		60.22	9.03	69.25	AC/HR	2.47
64 FT	16400	60	33.33	9.02	42.35	42.35	6.35	48.70	42.35			82.22	12.33	94.55		2.95
		100	21.40	9.02	30.42	30.42	4.56	34.99	30.42	30.87	9.00	70.29	10.54	80.83	32.0	2.53
		140	16.37	9.02	25.39	25.39	3.81	29.20	25.39	150 HP		65.26	9.79	75.05	AC/HR	2.35
RODWEEDER WITH MULTIPLEX OR VIBRATILLER																$/AC
24 FT	4900	60	9.96	2.70	12.65	12.65	1.90	14.55	12.65			38.19	5.73	43.92		3.66
		100	6.39	2.70	9.09	9.09	1.36	10.45	9.09	16.54	9.00	34.63	5.19	39.82	12.0	3.32
		140	4.89	2.70	7.59	7.59	1.14	8.72	7.59	75 HP		33.13	4.97	38.09	AC/HR	3.17
28-30 FT	7200	60	14.63	3.96	18.59	18.59	2.79	21.38	18.59			45.45	6.82	52.27		3.60
		100	9.40	3.96	13.36	13.36	2.00	15.36	13.36	17.86	9.00	40.22	6.03	46.25	14.5	3.19
		140	7.19	3.96	11.15	11.15	1.67	12.82	11.15	85 HP		38.01	5.70	43.71	AC/HR	3.01
36 FT	8400	60	17.07	4.62	21.69	21.69	3.25	24.94	21.69			55.00	8.25	63.25		3.51
		100	10.96	4.62	15.58	15.58	2.34	17.92	15.58	24.31	9.00	48.89	7.33	56.22	18.0	3.12
		140	8.38	4.62	13.00	13.00	1.95	14.95	13.00	110 HP		46.31	6.95	53.26	AC/HR	2.96
48 FT	12300	60	25.00	6.77	31.76	31.76	4.76	36.52	31.76			65.07	9.76	74.83		3.12
		100	16.05	6.77	22.82	22.82	3.42	26.24	22.82	24.31	9.00	56.12	8.42	64.54	24.0	2.69
		140	12.28	6.77	19.04	19.04	2.86	21.90	19.04	110 HP		52.35	7.85	60.20	AC/HR	2.51
56 FT	16000	60	32.51	8.80	41.31	41.31	6.20	47.51	41.31			77.85	11.68	89.53		3.20
		100	20.88	8.80	29.68	29.68	4.45	34.13	29.68	27.54	9.00	68.22	9.93	78.15	28.0	2.72
		140	15.97	8.80	24.77	24.77	3.72	28.48	24.77	130 HP		61.30	9.20	70.50	AC/HR	2.52
64 FT	17700	60	35.97	9.74	45.70	45.70	6.86	52.56	45.70			90.44	13.57	104.01		3.25
		100	23.10	9.74	32.83	32.83	4.93	37.76	32.83	35.74	9.00	77.57	11.64	89.21	32.0	2.79
		140	17.67	9.74	27.40	27.40	4.11	31.51	27.40	170 HP		72.14	10.82	82.96	AC/HR	2.59

* Note: If equipped with mounted harrows add $0.41/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	BASIC CUSTOM LABOUR COSTS $/HR.	WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
ROCK PICKER ROCK RAKE COMBINATION																
10 FT HYD	8800	60	22.34	6.16	28.50	28.50	4.27	32.78	28.50			58.07	8.71	66.78		
		80	17.66	6.16	23.82	23.82	3.57	27.39	23.82	20.57	9.00	53.38	8.01	61.39		
		100	15.00	6.16	21.16	21.16	3.17	24.34	21.16	95 HP		50.73	7.61	58.34		
20 FT HYD	15000	60	38.08	10.50	48.58	48.58	7.29	55.87	48.58			78.15	11.72	89.87		
		80	30.09	10.50	40.59	40.59	6.09	46.68	40.59	20.57	9.00	70.16	10.52	80.69		
		100	25.58	10.50	36.08	36.08	5.41	41.49	36.08	95 HP		65.64	9.85	75.49		
ROCK PICKER																
FORK TYPE	3150	60	8.00	2.21	10.20	10.20	1.53	11.73	10.20			28.97	4.35	33.32		
		80	6.32	2.21	8.52	8.52	1.28	9.80	8.52	9.77	9.00	27.30	4.09	31.39		
		100	5.37	2.21	7.58	7.58	1.14	8.71	7.58	55 HP		26.35	3.95	30.30		
PADDLE TYPE																
HYD	6900	60	17.52	4.83	22.35	22.35	3.35	25.70	22.35			51.92	7.79	59.70		
(3 PADDLE)		80	13.84	4.83	18.67	18.67	2.80	21.47	18.67	20.57	9.00	48.24	7.24	55.48		
		100	11.76	4.83	16.59	16.59	2.49	19.08	16.59	95 HP		46.16	6.92	53.09		
PTO	7600	60	19.29	5.32	24.61	24.61	3.69	28.31	24.61			45.49	6.82	52.31		
(3 PADDLE)		80	15.25	5.32	20.57	20.57	3.09	23.65	20.57	11.87	9.00	41.44	6.22	47.66		
		100	12.96	5.32	18.28	18.28	2.74	21.02	18.28	65 HP		39.15	5.87	45.02		
GROUND	5300	60	13.45	3.71	17.16	17.16	2.57	19.74	17.16			35.94	5.39	41.33		
(3 PADDLE)		80	10.63	3.71	14.34	14.34	2.15	16.49	14.34	9.77	9.00	33.11	4.97	38.08		
		100	9.04	3.71	12.75	12.75	1.91	14.66	12.75	55 HP		31.52	4.73	36.25		
ROCK RAKES																
12 FT	5100	60	12.95	3.57	16.52	16.52	2.48	18.99	16.52			37.39	5.61	43.00		
		80	10.23	3.57	13.80	13.80	2.07	15.87	13.80	11.87	9.00	34.68	5.20	39.88		
		100	8.70	3.57	12.27	12.27	1.84	14.11	12.27	65 HP		33.14	4.97	38.11		
20 FT	6600	60	16.76	4.62	21.38	21.38	3.21	24.58	21.38			42.25	6.34	48.59		
		80	13.24	4.62	17.86	17.86	2.68	20.54	17.86	11.87	9.00	38.74	5.81	44.55		
		100	11.25	4.62	15.87	15.87	2.38	18.26	15.87	65 HP		36.75	5.51	42.26		

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SPRAYERS																$/AC
400 GAL	6800	30	23.57	5.22	28.79	28.79	4.32	33.11	28.79			46.18	6.93	53.11		1.97
60-70 FT		50	15.14	5.22	20.36	20.36	3.05	23.41	20.36	8.35	9.00	37.75	5.66	43.41	27.0	1.61
		70	11.58	5.22	16.80	16.80	2.52	19.32	16.80	45 HP		34.19	5.13	39.31	AC/HR	1.46
800 GAL	8900	30	36.17	8.01	44.18	44.18	6.63	50.81	44.18			62.95	9.44	72.40		2.34
70-80 FT		50	23.23	8.01	31.24	31.24	4.69	35.92	31.24	9.77	9.00	50.01	7.50	57.51	31.0	1.86
		70	17.77	8.01	25.78	25.78	3.87	29.64	25.78	55 HP		44.55	6.68	51.23	AC/HR	1.65
TRUCK	3800	30	15.44	3.42	18.86	18.86	2.83	21.69	18.86			52.79	7.92	60.71		1.21
MOUNTED		50	9.92	3.42	13.34	13.34	2.00	15.34	13.34	24.93	9.00	47.26	7.09	54.35	50.0	1.09
350 GAL - 42 FT		70	7.59	3.42	11.01	11.01	1.65	12.66	11.01	3/4 TON		44.93	6.74	51.67	AC/HR	1.03
SWATHER PULL TYPE																$/AC
18 FT	6000	60	12.19	2.10	14.29	14.29	2.14	16.44	14.29			33.06	4.96	38.02		4.47
		100	7.83	2.10	9.93	9.93	1.49	11.42	9.93	9.77	9.00	28.70	4.31	33.01	8.5	3.88
		140	5.99	2.10	8.09	8.09	1.21	9.30	8.09	55 HP		26.86	4.03	30.89	AC/HR	3.63
20-21 FT	8600	60	17.48	3.01	20.49	20.49	3.07	23.56	20.49			39.26	5.89	45.15		4.75
		100	11.22	3.01	14.23	14.23	2.13	16.37	14.23	9.77	9.00	33.00	4.95	37.96	9.5	4.00
		140	8.58	3.01	11.59	11.59	1.74	13.33	11.59	55 HP		30.37	4.55	34.92	AC/HR	3.68
24-25 FT	9300	60	18.90	3.26	22.15	22.15	3.32	25.48	22.15			40.93	6.14	47.06		4.09
		100	12.14	3.26	15.39	15.39	2.31	17.70	15.39	9.77	9.00	34.16	5.12	39.29	11.5	3.42
		140	9.28	3.26	12.54	12.54	1.88	14.42	12.54	55 HP		31.31	4.70	36.01	AC/HR	3.13
30 FT	12200	60	24.79	4.27	29.06	29.06	4.36	33.42	29.06			49.94	7.49	57.43		4.10
		100	15.92	4.27	20.19	20.19	3.03	23.22	20.19	11.87	9.00	41.06	6.16	47.22	14.0	3.37
		140	12.18	4.27	16.45	16.45	2.47	18.91	16.45	65 HP		37.32	5.60	42.92	AC/HR	3.07

DRAWN EQUIPMENT - LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE MOVER, LARGE ROUND																
3-4 BALES	12300	40	40.76	3.84	44.61	44.61	6.69	51.30	44.61			65.48	9.82	75.30		
		80	22.37	3.84	26.21	26.21	3.93	30.15	26.21	11.87	9.00	47.09	7.06	54.15		
		120	16.01	3.84	19.86	19.86	2.98	22.83	19.86	65 HP		40.73	6.11	46.84		
5-6 BALES	12700	40	42.09	3.97	46.06	46.06	6.91	52.97	46.06			72.92	10.94	83.86		
		80	23.10	3.97	27.07	27.07	4.06	31.13	27.07	17.86	9.00	53.93	8.09	62.02		
		120	16.53	3.97	20.50	20.50	3.08	23.58	20.50	85 HP		47.36	7.10	54.47		
BALER,LARGE ROUND (excl. twine)																$/BALE
750-1000	11600	30	51.26	2.90	54.16	54.16	8.12	62.28	54.16			75.03	11.26	86.29		7.19
lbs		60	28.13	2.90	31.03	31.03	4.65	35.68	31.03	11.87	9.00	51.90	7.79	59.69	12.0	4.97
4 ft x 4 ft		90	20.13	2.90	23.03	23.03	3.46	26.49	23.03	65 HP		43.91	6.59	50.49	BLS/HR	4.21
1500-1800	13000	30	57.45	3.25	60.70	60.70	9.10	69.80	60.70			81.57	12.24	93.81		9.38
lbs		60	31.53	3.25	34.78	34.78	5.22	39.99	34.78	11.87	9.00	56.65	8.35	64.00	10.0	6.40
4 ft x 5 ft		90	22.56	3.25	25.81	25.81	3.87	29.69	25.81	65 HP		46.69	7.00	53.69	BLS/HR	5.37
3000+ lbs	18300	30	80.87	4.58	85.44	85.44	12.82	98.26	85.44			110.98	16.65	127.63		15.95
5 ft x 6 ft		60	44.38	4.58	48.95	48.95	7.34	56.30	48.95	16.54	9.00	74.49	11.17	85.67	8.0	10.71
		90	31.76	4.58	36.34	36.34	5.45	41.79	36.34	75 HP		61.88	9.28	71.16	BLS/HR	8.89
BALER,STANDARD (EXCLUDES TWINE)																$/BALE
SMALL	9400	40	34.19	2.35	36.54	36.54	5.48	42.02	36.54			57.42	8.61	66.03		0.44
		80	18.86	2.35	21.21	21.21	3.18	24.39	21.21	11.87	9.00	42.08	6.31	48.39	150.0	0.32
		120	13.82	2.35	16.17	16.17	2.42	18.59	16.17	65 HP		37.04	5.56	42.60	BLS/HR	0.28
MEDIUM	11900	40	43.29	2.98	46.26	46.26	6.94	53.20	46.26			67.14	10.07	77.21		0.44
		80	23.87	2.98	26.85	26.85	4.03	30.88	26.85	11.87	9.00	47.72	7.16	54.88	175.0	0.31
		120	17.49	2.98	20.47	20.47	3.07	23.54	20.47	65 HP		41.34	6.20	47.54	BLS/HR	0.27
LARGE	15100	40	54.93	3.78	58.70	58.70	8.81	67.51	58.70			79.58	11.94	91.51		0.46
		80	30.29	3.78	34.07	34.07	5.11	39.18	34.07	11.87	9.00	54.94	8.24	63.18	200.0	0.32
		120	22.19	3.78	25.97	25.97	3.90	29.87	25.97	65 HP		46.84	7.03	53.87	BLS/HR	0.27

DRAWN EQUIPMENT - LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE WAGON (PULL TYPE)																$/BALE
55 BALE	15400	60	31.30	5.39	36.69	36.69	5.50	42.19	36.69			55.46	8.32	63.78		0.64
		100	20.10	5.39	25.49	25.49	3.82	29.31	25.49	9.77	9.00	44.26	6.64	50.90	100.0	0.51
		140	15.37	5.39	20.76	20.76	3.11	23.87	20.76	55 HP		35.53	5.93	45.46	BLS/HR	0.45
69 BALE	21600	60	43.89	7.56	51.45	51.45	7.72	59.17	51.45			70.23	10.53	80.76		0.58
		100	28.19	7.56	35.75	35.75	5.36	41.11	35.75	9.77	9.00	54.52	8.18	62.70	140.0	0.45
		140	21.56	7.56	29.12	29.12	4.37	33.49	29.12	55 HP		47.89	7.18	55.07	BLS/HR	0.39
104 BALE	26400	60	53.65	9.24	62.89	62.89	9.43	72.32	62.89			88.43	13.26	101.69		0.49
		100	34.45	9.24	43.69	43.69	6.55	50.25	43.69	16.54	9.00	69.23	10.38	79.62	208.0	0.38
		140	26.35	9.24	35.59	35.59	5.34	40.93	35.59	75 HP		61.13	9.17	70.30	BLS/HR	0.34
FORAGE HARVESTER (PTO)																
SMALL	14900	40	49.38	4.66	54.04	54.04	8.11	62.14	54.04			74.91	11.24	86.15		
		80	27.10	4.66	31.76	31.76	4.76	36.52	31.76	11.87	9.00	52.63	7.89	60.52		
		120	19.40	4.66	24.05	24.05	3.61	27.66	24.05	65 HP		44.93	6.74	51.67		
MEDIUM	19900	40	65.95	6.22	72.17	72.17	10.83	83.00	72.17			99.03	14.86	113.89		
		80	36.19	6.22	42.41	42.41	6.36	48.77	42.41	17.86	9.00	69.27	10.39	79.67		
		120	25.91	6.22	32.12	32.12	4.82	36.94	32.12	85 HP		58.99	8.85	67.84		
LARGE	24200	40	80.20	7.56	87.77	87.77	13.17	100.93	87.77			127.64	19.15	146.78		
		80	44.01	7.56	51.58	51.58	7.74	59.31	51.58	30.87	9.00	91.44	13.72	105.16		
		120	31.50	7.56	39.07	39.07	5.86	44.93	39.07	150 HP		78.93	11.84	90.77		
GRINDER MIXER																
80-100 BUS	11900	100	17.31	2.38	19.69	19.69	2.95	22.65	19.69			46.56	6.98	53.54		
		200	9.55	2.38	11.93	11.93	1.79	13.72	11.93	17.86	9.00	38.79	5.82	44.61		
		300	7.00	2.38	9.38	9.38	1.41	10.78	9.38	85 HP		36.24	5.44	41.68		
120-150 BUS	14100	100	20.52	2.82	23.34	23.34	3.50	26.84	23.34			56.64	8.50	65.14		
		200	11.32	2.82	14.14	14.14	2.12	16.26	14.14	24.31	9.00	47.44	7.12	54.56		
		300	8.29	2.82	11.11	11.11	1.67	12.78	11.11	110 HP		44.42	6.66	51.08		

DRAWN EQUIPMENT - LIVESTOCK AND FORAGE

MACHINE	ORIG.	ANN. HRS OF USE	MACHINE COSTS PER HOUR: FIXED COST	REPAIR COSTS	TOTAL COSTS /HOUR (No Labor)	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS	MARGIN	RENTAL RATE	CUSTOM WORK RATES: MACHINE TOTAL COSTS	POWER UNIT COSTS	LABOUR COSTS	BASIC CUSTOM WORK RATES	MARGIN	CUSTOM RATE	WORK RATE	CALC. CUSTOM RATE
SIZE	COST	USE	$/HR	$/HR.	$/HR	$/HR	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.		
HAY RAKES																$/AC
8-8 1/2 FT	3100	50	8.66	1.33	9.99	9.99	1.50	11.49	9.99			26.28	3.94	30.22		6.71
PARALLEL		70	6.44	1.33	7.77	7.77	1.17	8.94	7.77	7.28	9.00	24.06	3.61	27.66	4.5	6.15
BAR		90	5.25	1.33	6.58	6.58	0.99	7.56	6.58	35 HP		22.86	3.43	26.29	AC/HR	5.84
9-9 1/2 FT	3450	50	9.64	1.48	11.12	11.12	1.67	12.79	11.12			27.40	4.11	31.51		5.30
PARALLEL		70	7.17	1.48	8.65	8.65	1.30	9.95	8.65	7.28	9.00	24.93	3.74	28.67	5.0	5.73
BAR		90	5.84	1.48	7.32	7.32	1.10	8.42	7.32	35 HP		23.60	3.54	27.14	AC/HR	5.43
7-7 1/2 FT	2900	50	8.10	1.24	9.35	9.35	1.40	10.75	9.35			25.63	3.84	29.48		7.37
WHEEL		70	6.03	1.24	7.27	7.27	1.09	8.36	7.27	7.28	9.00	23.55	3.53	27.09	4.0	6.77
TYPE		90	4.91	1.24	6.15	6.15	0.92	7.07	6.15	35 HP		22.43	3.37	25.80	AC/HR	6.45
9-9 1/2 FT	3800	50	10.62	1.63	12.25	12.25	1.84	14.09	12.25			28.53	4.28	32.81		8.66
WHEEL		70	7.90	1.63	9.53	9.53	1.43	10.96	9.53	7.28	9.00	25.81	3.87	29.68	5.0	6.94
TYPE		90	6.43	1.63	8.06	8.06	1.21	9.27	8.06	35 HP		24.34	3.65	28.00	AC/HR	5.60
LOOSE HAY STACKERS																$/T
3 TON	24000	40	79.54	7.50	87.04	87.04	13.06	100.10	87.04			116.61	17.49	134.10		16.76
		80	43.65	7.50	51.15	51.15	7.67	58.82	51.15	20.57	9.00	80.72	12.11	92.83	8.0	11.60
		120	31.24	7.50	38.74	38.74	5.81	44.55	38.74	95 HP		68.31	10.25	78.56	T/HR	9.82
6+ TON	37700	40	124.95	11.78	136.73	136.73	20.51	157.24	136.73			170.03	25.51	195.54		13.97
		80	68.57	11.78	80.35	80.35	12.05	92.40	80.35	24.31	9.00	113.85	17.05	130.70	14.0	9.34
		120	49.08	11.78	60.86	60.86	9.13	69.99	60.86	110 HP		94.16	14.12	108.29	T/HR	7.73
LOOSEHAY STACK MOVERS																
3 TON	11300	40	37.45	3.53	40.98	40.98	6.15	47.13	40.98			61.86	9.28	71.13		
		80	20.55	3.53	24.08	24.08	3.61	27.70	24.08	11.87	9.00	44.96	6.74	51.70		
		120	14.71	3.53	18.24	18.24	2.74	20.98	18.24	65 HP		39.12	5.87	44.98		
6 TON PLUS	13600	40	45.07	4.25	49.32	49.32	7.40	56.72	49.32			78.89	11.83	90.73		
		80	24.74	4.25	28.99	28.99	4.36	33.33	28.99	20.57	9.00	58.56	8.78	67.34		
		120	17.70	4.25	21.95	21.95	3.29	25.25	21.95	95 HP		51.52	7.73	59.25		
LOOSEHAY STACKFEEDER																
3 TON	9600	40	31.82	3.00	34.82	34.82	5.22	40.04	34.82			53.59	8.04	61.63		
		80	17.46	3.00	20.46	20.46	3.07	23.53	20.46	9.77	9.00	39.23	5.88	45.12		
		120	12.50	3.00	15.50	15.50	2.32	17.82	15.50	55 HP		34.27	5.14	39.41		
6 TON	12200	40	40.43	3.81	44.25	44.25	6.64	50.88	44.25			65.12	9.77	74.89		
		80	22.19	3.81	26.00	26.00	3.90	29.90	26.00	11.87	9.00	46.88	7.03	53.91		
		120	15.88	3.81	19.69	19.69	2.95	22.65	19.69	65 HP		40.57	6.09	46.65		

DRAWN EQUIPMENT - LIVESTOCK AND FORAGE

MACHINE	ORIG.	ANN. HRS OF USE	MACHINE COSTS PER HOUR: FIXED COST	REPAIR COSTS	TOTAL COSTS /HOUR (No Labor)	MACHINE RENTAL PER HOUR: BASIC RENTAL COSTS	MARGIN	RENTAL RATE	CUSTOM WORK RATES: MACHINE TOTAL COSTS	POWER UNIT COSTS	LABOUR COSTS	BASIC CUSTOM WORK RATES	MARGIN	CUSTOM RATE	WORK RATE	CALC. CUSTOM RATE
SIZE	COST	USE	$/HR	$/HR.	$/HR	$/HR	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.	$/HR.		
MANURE SPREADER																
100-150 BUS	4300	60	10.92	3.01	13.93	13.93	2.09	16.02	13.93			32.70	4.90	37.60		
		80	8.63	3.01	11.64	11.64	1.75	13.38	11.64	9.77	9.00	30.41	4.56	34.97		
		100	7.33	3.01	10.34	10.34	1.55	11.89	10.34	55 HP		29.11	4.37	33.48		
151-200 BUS	5100	60	12.95	3.57	16.52	16.52	2.48	18.99	16.52			35.29	5.29	40.58		
		80	10.23	3.57	13.80	13.80	2.07	15.87	13.80	9.77	9.00	32.57	4.89	37.46		
		100	8.70	3.57	12.27	12.27	1.84	14.11	12.27	55 HP		31.04	4.66	35.69		
201-250 BUS	6400	60	16.25	4.48	20.73	20.73	3.11	23.84	20.73			41.60	6.24	47.84		
		80	12.84	4.48	17.32	17.32	2.60	19.92	17.32	11.87	9.00	38.19	5.73	43.92		
		100	10.91	4.48	15.39	15.39	2.31	17.70	15.39	65 HP		36.27	5.44	41.71		
251-300 BUS	8850	60	22.47	6.19	28.66	28.66	4.30	32.96	28.66			54.20	8.13	62.33		
		80	17.76	6.19	23.95	23.95	3.59	27.54	23.95	15.54	9.00	49.49	7.42	56.91		
		100	15.09	6.19	21.28	21.28	3.19	24.48	21.28	75 HP		46.82	7.02	53.85		
301-400 BUS 10100	60	25.64	7.07	32.71	32.71	4.91	37.62	32.71			55.57	8.34	68.51			
	80	20.26	7.07	27.33	27.33	4.10	31.43	27.33	17.86	9.00	54.20	8.13	62.33			
	100	17.22	7.07	24.29	24.29	3.64	27.93	24.29	85 HP		51.15	7.67	58.83			
MANURE SPREADER LIQUID																
1000-1200 GAL	9400	120	11.93	3.56	15.49	15.49	2.32	17.81	15.49			41.03	6.15	47.18		
		140	10.78	3.56	14.34	14.34	2.15	16.49	14.34	15.54	9.00	39.87	5.98	45.86		
		160	10.02	3.56	13.58	13.58	2.04	15.61	13.58	75 HP		39.12	5.87	44.98		
MOWER CONDITIONER																$/AC
7 FT	9000	50	25.15	3.86	29.01	29.01	4.35	33.36	29.01			46.40	6.96	53.36		15.24
		70	18.71	3.86	22.56	22.56	3.38	25.95	22.56	8.39	9.00	39.95	5.99	45.95	3.5	13.13
		90	15.23	3.86	19.09	19.09	2.86	21.95	19.09	45 HP		36.48	5.47	41.95	AC/HR	11.99
9 FT	10300	50	28.78	4.41	33.20	33.20	4.98	38.18	33.20			50.59	7.59	58.18		12.93
		70	21.41	4.41	25.82	25.82	3.87	29.70	25.82	8.39	9.00	43.21	6.48	49.69	4.5	11.04
		90	17.43	4.41	21.85	21.85	3.28	25.12	21.85	45 HP		35.23	5.89	45.12	AC/HR	10.03
12 FT	16500	50	46.11	7.07	53.18	53.18	7.98	61.16	53.18			71.95	10.79	82.75		13.79
		70	34.30	7.07	41.37	41.37	6.21	47.57	41.37	9.77	9.00	60.14	9.02	69.16	6.0	11.53
		90	27.93	7.07	35.00	35.00	5.25	40.25	35.00	55 HP		53.77	8.07	61.83	AC/HR	10.31
14 FT	18900	50	52.82	8.10	60.92	60.92	9.14	70.06	60.92			79.69	11.95	91.64		13.09
		70	39.29	8.10	47.39	47.39	7.11	54.49	47.39	9.77	9.00	66.18	9.92	76.08	7.0	10.87
		90	31.99	8.10	40.09	40.09	6.01	46.10	40.09	55 HP		58.86	8.83	67.69	AC/HR	9.67

DRAWN EQUIPMENT - LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	BASIC CUSTOM LABOUR COSTS $/HR.	WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MOWERS,SICKLE TRAILING																$/AC
7 FT	3700	50	10.34	1.59	11.93	11.93	1.79	13.71	11.93			28.21	4.23	32.44		9.27
		70	7.69	1.59	9.28	9.28	1.39	10.67	9.28	7.28	9.00	25.56	3.83	29.39	3.5	8.40
		90	6.26	1.59	7.85	7.85	1.18	9.02	7.85	35 HP		24.13	3.62	27.75	AC/HR	7.93
9 FT	4000	50	11.18	1.71	12.89	12.89	1.93	14.83	12.89			29.18	4.38	33.55		7.46
		70	8.31	1.71	10.03	10.03	1.50	11.53	10.03	7.28	9.00	26.31	3.95	30.26	4.5	6.72
		90	6.77	1.71	8.48	8.48	1.27	9.76	8.48	35 HP		24.77	3.72	28.48	AC/HR	6.33
POST POUNDER																
	2700	80	5.14	0.45	5.59	5.59	0.84	6.43	5.59			24.37	3.65	28.02		
		100	4.33	0.45	4.78	4.78	0.72	5.51	4.78	9.77	9.00	23.56	3.53	27.09		
		200	3.84	0.45	4.29	4.29	0.64	4.93	4.29	55 HP		23.06	3.46	26.52		
ROTARY CUTTERS																
5 FT	1290	50	3.61	0.55	4.16	4.16	0.62	4.78	4.16			22.93	3.44	26.37		
3PH		70	2.68	0.55	3.23	3.23	0.49	3.72	3.23	9.77	9.00	22.01	3.30	25.31		
		90	2.18	0.55	2.74	2.74	0.41	3.15	2.74	55 HP		21.51	3.23	24.73		
5 FT HD	2150	50	6.01	0.92	6.93	6.93	1.04	7.97	6.93			25.70	3.86	29.56		
3PH		70	4.47	0.92	5.39	5.39	0.81	6.20	5.39	9.77	9.00	24.16	3.62	27.79		
		90	3.64	0.92	4.56	4.56	0.68	5.24	4.56	55 HP		23.33	3.50	26.83		
6 FT HD	4890	50	13.67	2.10	15.76	15.76	2.36	18.13	15.76			36.64	5.50	42.13		
		70	10.16	2.10	12.26	12.26	1.84	14.10	12.26	11.87	9.00	33.13	4.97	38.10		
		90	8.28	2.10	10.37	10.37	1.56	11.93	10.37	65 HP		31.25	4.69	35.93		
12 FT	6060	50	16.94	2.60	19.53	19.53	2.93	22.46	19.53			45.07	6.76	51.83		
		70	12.60	2.60	15.19	15.19	2.28	17.47	15.19	16.54	9.00	40.73	6.11	46.84		
		90	10.26	2.60	12.85	12.85	1.93	14.78	12.85	75 HP		38.39	5.76	44.15		
15 FT	8460	50	23.64	3.63	27.27	27.27	4.09	31.36	27.27			52.81	7.92	60.73		
		70	17.58	3.63	21.21	21.21	3.18	24.39	21.21	16.54	9.00	46.75	7.01	53.76		
		90	14.32	3.63	17.94	17.94	2.69	20.64	17.94	75 HP		43.48	6.52	50.01		
TUB GRINDER																
8 TON	15600	100	22.70	3.12	25.82	25.82	3.87	29.69	25.82			59.12	8.87	67.99		
		200	12.52	3.12	15.64	15.64	2.36	17.98	15.64	24.31	9.00	48.95	7.34	56.29		
		300	9.17	3.12	12.29	12.29	1.84	14.14	12.29	110 HP		45.60	6.84	52.44		

DRAWN EQUIPMENT - MISCELLANEOUS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS OF USE	FIXED COST $/HR	REPAIR COSTS $/HR.	TOTAL COSTS /HOUR (No Labor) $/HR	BASIC RENTAL COSTS $/HR	MARGIN $/HR.	RENTAL RATE $/HR.	MACHINE TOTAL COSTS $/HR.	POWER UNIT COSTS $/HR.	LABOUR COSTS $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FRONT END LOADER																
STANDARD	3300	80	6.28	0.55	6.84	6.84	1.03	7.86	6.84			27.71	4.16	31.87		
W/BUCKET		100	5.30	0.55	5.85	5.85	0.88	6.73	5.85	11.87	9.00	26.72	4.01	30.73		
		120	4.69	0.55	5.24	5.24	0.79	6.03	5.24	65 HP		26.12	3.92	30.03		
HEAVY DUTY	4400	80	8.38	0.74	9.12	9.12	1.37	10.48	9.12			38.69	5.80	44.49		
W/BUCKET		100	7.06	0.74	7.80	7.80	1.17	8.97	7.80	20.57	9.00	37.37	5.61	42.98		
		120	6.25	0.74	6.99	6.99	1.05	8.04	6.99	95 HP		36.56	5.48	42.04		
SCRAPER																
6 YARD	9700	60	24.62	6.79	31.41	31.41	4.71	36.13	31.41			71.28	10.69	81.98		
		80	19.46	6.79	26.25	26.25	3.94	30.19	26.25	30.87	9.00	66.12	9.92	76.04		
		100	16.54	6.79	23.33	23.33	3.50	26.83	23.33	150 HP		63.20	9.48	72.68		
8 YARD	12300	60	31.23	8.61	39.84	39.84	5.98	45.81	39.84			84.57	12.69	97.26		
		80	24.68	8.61	33.29	33.29	4.99	38.28	33.29	35.74	9.00	78.02	11.70	89.73		
		100	20.97	8.61	29.58	29.58	4.44	34.02	29.58	170 HP		74.32	11.15	85.47		
SNOW BLOWERS																
7 FT	5600	20	33.74	4.90	38.64	38.64	5.80	44.44	38.64			68.21	10.23	78.44		
FRONT		40	18.27	4.90	23.17	23.17	3.48	26.65	23.17	20.57	9.00	52.74	7.91	60.65		
MOUNT		100	8.99	4.90	13.89	13.89	2.08	15.97	13.89	95 HP		43.46	6.52	49.98		
8 FT	5800	20	34.95	5.08	40.02	40.02	6.00	46.02	40.02			69.59	10.44	80.03		
FRONT		40	18.92	5.08	24.00	24.00	3.60	27.60	24.00	20.57	9.00	53.57	8.03	61.60		
MOUNT		100	9.31	5.08	14.38	14.38	2.16	16.54	14.38	95 HP		43.95	6.59	50.55		
7 FT	2200	20	13.26	1.93	15.18	15.18	2.28	17.46	15.18			36.05	5.41	41.46		
REAR MOUNT		40	7.18	1.93	9.10	9.10	1.37	10.47	9.10	11.87	9.00	29.98	4.50	34.47		
		100	3.53	1.93	5.46	5.46	0.82	6.27	5.46	65 HP		26.33	3.95	30.28		
8 FT	2700	20	16.27	2.36	18.63	18.63	2.79	21.42	18.63			39.50	5.93	45.43		
REAR MOUNT		40	8.81	2.36	11.17	11.17	1.68	12.85	11.17	11.87	9.00	32.05	4.81	36.85		
		100	4.33	2.36	6.70	6.70	1.00	7.70	6.70	65 HP		27.57	4.14	31.71		

Appendix A

Custom Grain Hauling

A.

Farm to Market 0 to 25 miles

(a) Truck - 3 Ton, 320 Bushel: Truck Costs $52.09/hour (excl. labour)

(b) Auger - 7 x 40' Gas Engine: Auger Costs $7.33/hour (excl. labour)

(c) Labour - $9.00/hour

(d) Unload Time: 10 minutes at elevator (truck engine and PTO running 5 minutes)

Distances to Market (miles)	3	6	9	12	15	20	25
Auger Costs Per Load	$ 2.44	$ 2.44	$ 2.44	$ 2.44	$ 2.44	$ 2.44	$ 2.44
Time minutes	(20)	(20)	(20)	(20)	(20)	(20)	(20)
Truck Costs Per Load	$14.76	$22.57	$30.39	$37.33	$43.41	$50.35	$62.51
Time minutes (incl. 5 min. unload time)	(17)	(26)	(35)	(43)	(50)	(58)	(72)
Labour Costs Per Load	$ 6.30	$ 7.65	$ 9.00	$10.20	$11.25	$12.45	$14.55
Total Time: minutes	(42)	(51)	(60)	(68)	(75)	(83)	(97)
Total Cost Per Load	$23.50	$32.66	$41.83	$49.97	$57.10	$65.24	$79.50
Margin Per Load (15%)	$ 3.53	$ 4.90	$ 6.28	$ 7.50	$ 8.56	$ 9.79	$11.93
Custom Rate Per Load (320 bushel load)	$27.03	$37.56	$48.11	$57.47	$65.67	$75.03	$91.43
Custom Rate/Bushel	8.4c	11.7c	15.0c	18.0c	20.5c	23.4c	28.6c

B. Field to Yard

(a) Truck - 3 Ton, 260 Bushel Trip: Truck Costs $52.09/hour (excl. labour)

(b) Auger - 7 x 40'Gas Engine Auger Costs $7.35/hour (excl. labour)

(c) Labour - $9.00/hour

(d) Unload Time 11 minutes at Bin (truck engine and PTO running 5 minutes)

(1) Time Use

Distance: Field to Yard (Miles)	1/2	1	1 1/2	2	3	4
Travel Time to Yard and Return	4 min.	6.5 min.	8.5 min.	10 min.	12 min.	15.5 min.
Total Unload Time at Bin	11 min.	11 min.	11 min.	11 min.	11 min.	11 min
(Time truck running during unload at bin)	(5 min.)	(5 min.)	(5 min.)	(5 min.)	(5 min.)	(5 min.)
Time Unload at Combine(s) and Travel in Field						
Unload Twice from one combine or one each from two combines	10 min.	10 min.	10 min.	10 min.	10 min.	10 min.
Time/Trip Truck Running	19 min.	21.5 min.	23.5 min.	25 min.	27 min.	30.5 min

Distance: Field to Yard (Miles)	1/2	1	1 1/2	2	3	4
Waiting Time in Field						
(Truck Not Running)						
(a) hauling from one combine	47 min.	44.5	42.5 min.	41 min.	39 min.	35.5 min.
(b) hauling from two combines	11 min.	8.5 min.	6.5 min.	5 min.	3 min.	0 min.
Total Time/Trip						
(a) hauling from one combine	72 min.	72 min.	72 min.	72 min.	72 min.	72 min.
(b) hauling from two combines	36 min.	36 min.	36 min.	36 min.	36 min.	36 min.
(2) Costs Components/Trip						
(a) Truck Costs/Trip	$16.50	$18.67	$20.40	$21.70	$23.44	$26.48
(b) Auger Costs/Trip	$ 1.34	$ 1.34	$ 1.34	$ 1.34	$ 1.34	$ 1.34
(c) Labour Costs/Trip						
- hauling from one combine	$10.80	$10.80	$10.80	$10.80	$10.80	$10.80
- hauling from two combines	$ 5.40	$ 5.40	$ 5.40	$ 5.40	$ 5.40	$ 5.40
(3) Custom Rate/Hour (incl. 15% margin)						
Hauling from one combine	$27.45	$29.53	$31.18	$32.43	$34.10	$37.01
Hauling from two combines	$44.54	$48.70	$52.02	$54.51	$57.85	$63.67
(4) Custom Rate/Bushel (incl. 15% margin)						
Hauling from one combine (217 bu/hr)	12.6¢	13.6¢	14.4¢	14.9¢	15.7¢	17.1¢
Hauling from two combines (433 bu/hr)	10.3¢	11.2¢	12.0¢	12.6¢	13.4¢	14.7¢

For example - for a one half mile haul from field to bin hauling from two combines the calculated custom charge is 10¢ per bushel.

C. Example of Trucking Seed to Field

Assume
- seeding 160 acres with 30' discer (12 hours)
- 3 ton truck costs $52.09/hr
- truck running time includes
  - loading 5 min. = .08 hrs.
  - driving to & from field 15 min. = .25 hrs.
  - running time in field 12 hrs. x 20% = 2.4 hours

  2.73 hours

Truck Cost is $52.09/hr x 2.73 hrs. = $142.21 for 160 acres
Truck Cost per acre is $\frac{142.21}{160}$ = $.89

If one truck is used for fertilizer and one for seed the trucking cost per acre would be 2 x $.89 = $1.78/ac.

Appendix B

Combine Cleaning and Separating Area (in2) (excluding rotary combines)

Model No.	Clean and Sep. Area* sq in	Model No.	Clean and Sep. Area* sq in
Co-op Implements		**Massey Ferguson**	
9600	10,933	550	10,684
		850	13,733
Gleaner		852	12,336
(Allis-Chalmers)			
F3	11,487	860	16,245
M3	15,205		
L3	17,986		
John Deere			
4420	11,070		
6601	11,476		
6620	12,417		
7720 & 7721	15,511		
8820	18,644		

* This figure represents the sum of the separating area and the cleaning area. Separating area includes the area of the straw walkers, concaves, and transition grate. Cleaning area includes chaffer sieve, chaffer extension and cleaning sieve.

Combine Threshing Capacities (Wheat)

	App. bus/hour Field Efficiency		App. ac/hour Field Efficiency	
Combine Size Self Propelled	(100%)	(69%)	(100%)	(69%)
8,000-10,000 sq in	180	125	6.5	4.5
10,000-12,000 sq in	220	150	8.0	5.5
12,000-14,000 sq in	285	195	10.0	7.0
14,000-17,000 sq in	340	235	13.0	9.0
17,000 + sq in	400	275	14.5	10.0
Pull Type				
10,000-12,000 sq in	210	145	7.5	5.2
12,000-14,000 sq in	260	180	9.5	6.5
14,000 + sq in	320	220	11.5	8.0

Rotary Combines

S.P.	Model
Small (5.5-8.5 ac/hr)	CIH 1620, CIH 1640
Medium(6.5-10.5 ac/hr)	CIH 1660, NHTR86, DAR6, DAR5
Large (11-14 ac/hr)	CIH 1680, DAR7, NHTR96
P.T.O.	
Large	CIH 1682, V2000

Appendix C

RENTAL RATE CALCULATION WORKSHEET

Machine_____Original Cash Cost $_____

Basic Rental Cost (Per Hour)

Fixed Costs: _____ (Rate/hr*) x _____ (No. of $1000 orig. cash cost) = $_____/hr (A)

Repairs: _____ (Rate/hr*) x _____ (No. of $1000 orig. cash cost) = $_____/hr (B)

Basic Rental Cost (A + B) = $_____/hr (C)

Rental Margin = _____ (Suggested Rate 15%) x _____ (Basic Retail Costs-C) = $_____/hr (D)

RENTAL RATE PER HOUR (C & D) $_____/hr

Refer to "Machinery Cost Calculation Guides" (Appendix F), col. D for fixed Costs, col. E for repair costs - rate per hour.

Appendix D

CUSTOM RATE CALCULATION WORKSHEET

Operation _____

Power Unit _____ Original Cash Cost $_____
Tractor, SP Machine

Machine _____ Original Cash Cost $_____
Tillage Implements, PTO Machine, Other

Power Unit Costs (Per Hour)

Fixed Costs = _____ (Rate/hr*) x _____ (No. of $1000 Orig. cash cost) = $ _____/hr (1)

Variable Costs

Fuel = _____ (Litre/hr) x _____ (Price/Litre) = $ _____/hr (2)

Oil & Grease 35 /100 Hp = $ _____/hr (3)

Repairs = _____ (Rate/hr*) x _____ (No. of $1000 Orig. cash cost) = $ _____/hr (4)

Total Cost of Power Unit (per hour) 1 + 2 + 3 + 4 $ _____/hr (A)

Machine Costs (Per Hour)

Fixed Costs = _____ (Rate/hr*) x _____ (No. of $1000 Orig. Cash Cost) = $ _____/hr (5)

Variable Costs = _____ (Rate/hr*) x _____ (No. of $1000 Orig. Cash Cost) = $ _____/hr (6)

Total Costs of Machinery (5 + 6) $ _____/hr (B)

Labour Cost PER HOUR $ _____/hr (C)

Total Cost of Power Unit, Machine and operator (A+B+C) $ _____/hr (D)

Margin per hour _____ (Suggested rate 15%) x $_____ (D) /hr= $ _____/hr (E)

Custom Rate per hour Total Cost + Margin (D & E) $ _____/hr (F)

* Refer to Machinery Cost Calcultaion Guides (Appendix F) for fixed costs (column D) and repair costs (column E) rate per hour.

Work rate (acres/hr)** _____/hr(G)

Custom rate per acre** $ _____/acre

F/G

** Where appropriate, substitute acres with other units (e.g. bales, tons).

Appendix E

FORMULAS USED IN CALCULATIONS

A.

Fixed costs per hour are the sum of (1) Depreciation, (2) Investment Costs, (3) Insurance and Housing.

i) Depreciation/hr = $\dfrac{\dfrac{\text{Original Cash Cost - Salvage Value}}{\text{Years Lifetime}}}{\text{Annual Hours Use}}$

ii) Investment Cost/hr = $\dfrac{\dfrac{\text{Original Cash Cost + Salvage Value x 11\%*}}{2}}{\text{Annual Hours Use}}$

iii) Insurance & Housing/hr= $\dfrac{\text{Original Cash Cost x 1\%}}{\text{Annual Hours Use}}$

The short cut method calculates fixed costs on an hourly basis per $1000 of the original cost.

$$\frac{\text{Original Cost}}{1000} \times \text{applicable cost factor from Appendix F, Column D}$$

B.

Repair Costs are calculated on an hourly basis per $1,000 original cost

$$\frac{\text{Original Cost}}{1000} \times \text{Applicable cost factor from Appendix F, Column E.}$$

Acres PER HOUR

- Tillage Operations (82.5% field efficiency) = $\dfrac{\text{Machine Width (ft) x Speed (mph)}}{10}$

Fertilizer Bander work rate is calculated at 80% of the normal tillage work rate

- Seeding and Harvesting (69% field efficiency) = $\dfrac{\text{Machine Width (ft) x Speed (mph)}}{12}$

* 11% assumes 50% borrowed - 50% owned

Appendix F

MACHINERY COST CALCULATION GUIDES

Machine	A Annual Use Hrs	B Dep'n Life Yrs	C Average Annual Repair Rate % Orig	D Fixed Cost/ Hour/ $1000 Orig	E Repair Cost/ Hour/ $1000 Orig
			Cash Cost	Cash Cost	Cash Cost
Balers Large Round	30	14.5		4.4190	
	60	12	1.5	2.4250	0.25
	90	10.5		1.7357	
Balers (PTO) Bale Thrower	40	12		3.6375	
	80	10	2	2.0063	0.25
	120	8.5		1.4699	
Combines PTO (Incl. Rotary)	120	13		1.1644	
	150	12	7	0.9700	0.4667
	180	11		0.8462	
	350	8.5		0.5039	
Combines SP (Incl. Rotary)	120	13		1.1644	
	150	12	4.5	0.9700	0.3
	180	11		0.8462	
	350	8.5		0.5039	
Cultivators	150	17.5	Sand-clay	0.8129	
	250	15	3.0-8.0	0.5220	0.22
	350	13		0.3992	
Discers & Tandem Discs	100	17		1.2344	
	150	15	4.5	0.8700	0.3
	200	13.5		0.6858	
Drills Airseeders Banders	60	17.5		2.0321	
	100	15	4.5	1.3050	0.45
	140	13		0.9981	
Forage Harvestors Bale Movers & Stackers	40	14.5		3.3142	
	80	12	2.5	1.8188	0.3125
	120	10.5		1.3018	
Front End Loaders Post Pounder	80	11		1.9040	
	100	10	1.7	1.6050	0.168
	120	9		1.4208	
Grain Augers & Pneumatic Grain Movers	25	18		4.8200	
	50	15	2	2.6100	0.4
	75	13		1.8631	

MACHINERY COST CALCULATION GUIDES

Machine	A Annual Use Hrs	B Dep'n Life Yrs	C Average Annual Repair Rate % Orig	D Fixed Cost/ Hour/ $1000 Orig	E Repair Cost/ Hour/ $1000 Orig
			Cash Cost	Cash Cost	Cash Cost
Grinder Mixers	100	12		1.4550	
Tub Grinders	200	10	4	0.8025	0.2
	300	8.5		0.5879	
Harrows	60	19.6		0.1003	
Packers	100	17	4.3	0.0694	0.427
	140	15		0.0561	
Liquid Manure	120	11		1.2693	
Spreaders	140	10	2.5	1.1464	0.3786
	160	9		1.0656	
Mowers, Rakes,Rotary	50	13		2.7946	
Cutter & Conditioner	70	12	2	2.0786	0.4286
	90	11		1.6924	
Plows	100	17.5		1.2193	
	150	15	8.25	0.8700	0.55
	200	13		0.6987	
Rock Pickers	60	11		2.5386	
Bulk Applicators	80	10	2.5	2.0063	0.7
Scrapers	100	9		1.7050	
Rock Rakes	60	11		2.5386	
Manure Spreaders	80	10	2.5	2.0063	0.7
	100	9		1.7050	
Rodweeders	60	17.5		2.0321	
	100	15	5.5	1.3050	0.55
	140	13		0.9981	
Snow Blowers	20	18		6.0250	
	40	15	3.5	3.2625	0.875
	100	10		1.6050	
Sprayers	30	17.5		4.0643	
	50	15	4.5	2.6100	0.9
	70	13		1.9962	
Swathers PTO	60	17.5		2.0321	
Bale Wagons PTO	100	15	3.5	1.3050	0.35
	140	13		0.9981	

MACHINERY COST CALCULATION GUIDES

	A	B	C	D	E
	Annual Use Hrs	Dep'n Life Yrs	Average Annual Repair Rate % Orig	Fixed Cost/ Hour/ $1000 Orig	Repair Cost/ Hour/ $1000 Orig
Machine			**Cash Cost**	**Cash Cost**	**Cash Cost**
Swathers SP	60	17.5		2.0321	
Bale Wagons SP	100	15	2	1.3050	0.2
	140	13		0.9981	
Tractor 2WD	400	14.5		0.3314	
	600	13	5	0.2329	0.0833
	800	11.5		0.1860	
Tractors 4WD	300	15		0.4350	
	400	14	4	0.3370	0.0667
	500	13		0.2795	
Trucks - Grain	100	16		1.2675	
	120	15	4.5	1.0875	0.375
	140	14		0.9628	
Truck 1/2 Ton	100	16		1.2675	
	120	15	3.5	1.0875	0.2917
	140	14		0.9628	

Appendix G

Factors to consider When Custom Hiring

Custom hiring is a business arrangement. The terms of the arrangement should be written in a formal agreement. If unwritten, the terms are more likely to be misunderstood in case of a dispute. The following should be considered in a custom hiring agreement.

Timeliness

Significant losses can occur if an operation is not started or completed on time. To facilitate planning, a custom hiring agreement should include a schedule of operations for both parties. For example, when the custom combiner is picking up swathed grain, the schedule would outline time periods for swathing by the owner and conbining by the custom operator. Such a schedule would be subject to weather conditions and crop maturity.

Operations

The parties should write into the agreement the exact operations to be performed by each party and the machine, materials and labour to be supplied by each.

Rate Schedule

The custom operator should for each operation to be performed stipulate the rate on the basis of acreage, time (hour, day, week) or total operation performed.

Management

A custom hiring agreement should ensure that the custom operator will employ acceptable management practices in his operations.

Down-Time

A custom hiring agreement should stipulate terms of payment for custom operations. As well the custom operator should bill the client upon the completion of each custom operation. The bill should indicate actual units (hours, acres, etc.) completed, the rate charged per unit, the total charge and the date payment is due.

Termination

A minimum period for notice of termination should be included in a custom hiring agreement. A penalty should be stipulated for unjustified termination within the term of the agreement.

Insurance

A custom operator may be considered differently than a farmer when insuring. It is advised that this point be clarified with the insurance company if one considers doing custom work or renting equipment

GUIDE TO PLANNING A CUSTOM FARMING AGREEMENT

Section A

_____, hereinafter referred to as the "custom operator", agrees to conduct the following types of machine operations on the described farm land of _____, hereinafter referred to as the "owner", located at _____, Saskatchewan, for the year 19___.

Description of Machine operation	Legal Location	Acres	Fee Per Acre

Note: Be specific about what each machine operation includes (i.e., harvesting - does it include swathing, combining with pickup and shipping the grain to the storage facility, or straight cutting the crop and shipping the grain?)

Section B

The custom operator agrees to complete the said machine operations according to the following schedule:

Machine Operations	Commencement Date	Completion Date

Section C

If during the term hereof, any of the goods and chattels of the custom operator are seized by any creditor, this agreement is forfeited and void.

The term owner and custom operator shall include the executors, administrators and assigns of the owner and custom operator, respectively.

_____ Witness

_____ Owner

_____ Witness

_____ Custom Operator